

Symposium on Nucleic Acids, Hyderabad

Publication/Creation

1963-1964

Persistent URL

<https://wellcomecollection.org/works/vcbstdqy9>

License and attribution

You have permission to make copies of this work under a Creative Commons, Attribution, Non-commercial license.

Non-commercial use includes private study, academic research, teaching, and other activities that are not primarily intended for, or directed towards, commercial advantage or private monetary compensation. See the Legal Code for further information.

Image source should be attributed as specified in the full catalogue record. If no source is given the image should be attributed to Wellcome Collection.



Wellcome Collection
183 Euston Road
London NW1 2BE UK
T +44 (0)20 7611 8722
E library@wellcomecollection.org
<https://wellcomecollection.org>

12th 12th March, 1964.

Dr. P.M. Bhargava,
Regional Research Laboratory,
Hyderabad 9,
INDIA.

Dear Pushpa,

You are always very welcome here. Unfortunately I have to be in the States for the last week in June for a Gordon Conference which Seymour Benzer is organising. But do come in any case, as other people in the lab will be glad to see you.

My best wishes to both Manorama and yourself,

Yours sincerely,

F. H. C. Crick



Dr. P.M. Bhargava

Telephone: 72117

Telegrams: Research

REGIONAL RESEARCH LABORATORY
HYDERABAD-9

No. SYM-24.3.2/63-SCI/7728

24 FEB 1964

Dr. F.H.C. Crick, F.R.S.
Medical Research Council
Laboratory of Molecular Biology
University Postgraduate Medical School
Hills Road
Cambridge
U.K.

Dear Francis:

Thank you very much for your letter of 13th February and for your paper. I am now in the midst of the most unexciting job of getting the papers ready for press and the discussion (transcribed from tape) ready for communication to the participants!

I am so happy to know that you found the symposium of some interest. It is, of course, yet to be seen to what extent the gains of this symposium can be consolidated.

There is a chance that I may be able to spend a week in England on my way to the United States for the International Congress of Biochemistry. If this comes through, I will probably be in England between 21st and 28th June, 1964, and would very much like to spend three to four days in Cambridge. Will you be at the Laboratory during this week?

It was wonderful to have you with us and I hope you will come again. Plan on spending a vacation here as and when you can. We will take care of you, and if you call it a vacation (and bring your wife along) we wouldn't make you work hard!

Manorama joins me in sending you our best wishes,

Yours sincerely,

P. M. Bhargava
(P.M. Bhargava)

February 13, 1964

Dr. P. M. Bhargava
Regional Research Laboratory
Hyderabad, India

Dear Pushpa,

I enclose a copy of the paper for the symposium. As you can see I have kept it fairly short. In particular, I have cut down the account of the experimental work. However I have slightly expanded the remarks about interlacing, to make the idea easier to grasp. I have tried to find the reference to the Ruman who suggested it earlier, but have so far failed. However I have a reprint of it in Cambridge so it can be added in proof.

It seemed to me that the Symposium was a great success. Perhaps there was not much that was strikingly new, but there was good presentation and plenty of discussion. I hope it bears fruit in India.

May I add my personal thanks for the excellent way I was looked after, and say how enjoyable I found my stay in Hyderabad.

Please remember me to your wife.

With all good wishes,

Yours sincerely,

F. H. C. Crick

enclosure
FHCC/emn

U.S.A.
100% COTTON CONTENT
Agardam Onion Skin
EAGLE-A
258

Telegrams : NUTRITION
Telephone : 7 4 5 8 3

C. GOPALAN, M.D., (Madras) Ph.D., (London).
DIRECTOR

DIR/TECH-(6)/ii- 6282
NUTRITION RESEARCH LABORATORIES,
Indian Council of Medical Research,
Tarnaka, Hyderabad-7 (Deccan).

January 23, 1964.

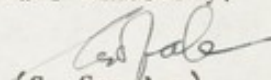
Dear Dr. Crick,

It was indeed a pleasure to receive you
and show you round the Institute. It was very nice of
you to have found a few minutes' time amidst your busy
programme. I do hope that you will have opportunity to
come to India again.

I have sent you under separate airmail
bookpost, a copy of the latest Annual Report of these
Laboratories, which may interest you.

With my regards,

Yours sincerely,


(C. Gopalan)

Dr. F.H.C. Crick
Medical Research Council
Laboratory of Molecular Biology
CAMBRIDGE England.

Dear Francis,

I have not heard from the Salk. Could you write to the Institut, please, and get them to write to me, specifying a date for the visit?

In love,

Chas

Saskia.

L I F E.

Information from the Scientific American dated
October 4, 1963, page 95.

The weight of a fertilized human egg is given as
 $\frac{28.35}{2 \times 10 \times 10^{12}} = 1.417 \times 10^{-12}$ grams.

The DNR molecule is said to consist of billions of
coils. The following surmises are made from the informa-
tion contained in the said article.

<u>I t e m s</u>	<u>Weight in grams.</u>
A coiled ladder of say 200 rungs or 400 bases	$1000 \times 10^{-22} = 10^{-19}$
A DNA halix or molecule consisting of say 10,000 such ladders	$10^4 \times 10^{-19} = 10^{-15}$
A chromosome consisting of say 30 such DNA helices	$30 \times 10^{-15} = 3 \times 10^{-14}$
A human egg consisting of 46 chromosomes	$46 \times 3 \times 10^{-14} = 1.38 \times 10^{-12}$

Dear Sir,

May I know if the above would be a fairly approximate
statement in regard to the structure of the human egg?
A reply at your convenience will greatly oblige.

Yours truly

My address:

M.D. Gadgil, Engineer,
Ananda Vilas,
Kachiguda, Hyderabad,
Andhra Pradesh,
India.

M.D. Gadgil

20-1-1964

$$\frac{4 \times 10^9 \times 660}{6 \times 10^{23}} = 4.4 \times 10^{-12}$$

To
Dr. Francis
Crick

HP

C.V.D.Murthy,
Director of Technical Education
&
Hony. Secretary,
Andhra Pradesh Akademi
of Sciences.



Hyderabad,
January 18, 1964

Dear *Francis Crick,*

ref. The Andhra Pradesh Akademi of Sciences which is one of the sponsors of the popular lectures organised at Ravindra Bharathi wishes to present you with a cheque for Rs 500/- as a token of their appreciation of the popular lecture delivered by you.

The receipt of the cheque may kindly be acknowledged.

With the compliments of the President of the Akademi and its members.

Yours sincerely,

[Signature]
Dr. Francis Crick,
Hyderabad.

Telegram 8th Jan'64.

Bhargava, Research, Hyderabad, India.

Crick arriving 9.15 a.m. 15th January.

Secretary.

(18/4)

8th January, 1964.

Dr. D.P. Burma,
Bose Institute,
93/1 Acharya Prafulla Chandra Road,
Calcutta 9,
INDIA.

Dear Dr. Burma,

Unfortunately Dr. Crick has already left England, and is on his way to India via Beirut. Perhaps you can contact him in Hyderabad, where he will be arriving on the 15th January. However, I might warn you that his schedule is rather tight, and he may not be able to fit in your request to talk at the Bose Institute.

Yours sincerely,

S. M. Schilling
Secretary

6th January, 1964.

Dr. P.M. Bhargava,
Regional Research Laboratory,
Hyderabad 9,
INDIA.

Dear Pushpa,

Thank you for your letter of the 24th December, about abstracts, and of the 27th December, about being Chairman on the afternoon of 21st January. I am happy about both these arrangements.

Looking forward to seeing you in Hyderabad,

Yours sincerely,

F. H. C. Crick

BY AIR MAIL

हवाई पत्र

AEROGRAMME

NO ENCLOSURES
ALLOWED



Dr. F. H. C. Crick, F.R.S.,
Medical Research Council,
Laboratory of Molecular Biology,
University Postgraduate Medical
School,
Hills Road, Cambridge,
U. K.

CONN - 66

Sender's name and address :-

Dr. D. P. Barua

Dept. of Chemistry,

Base Institute,

Calcutta-9

Bose Institute
93/1, Acharya Prafulla Chandra Road,
Calcutta-9
India

January 4, 1964.

Dr. F. H. C. Crick, F.R.S.,
Medical Research Council,
Laboratory of Molecular Biology,
University Postgraduate Medical School,
Hills Road, Cambridge,
U.K.

Dear Dr. Crick,

I am so glad to know through Pushpa (Dr. Bhargava) that you will be attending the Symposium at Hyderabad. That will be a tremendous impetus to all of us. But many of our group at Calcutta won't be able to attend the symposium. Therefore I would earnestly request you to include Calcutta in your itinerary and give a talk in our Institute, so that the workers have become benefited by the direct contact with you. Our Director is eager to send you the formal request as soon as we hear from you.

With best personal regards,

Sincerely yours,

D. P. Burma

(D. P. Burma)

TELE: NO. 72117

TELEGRAM: "RESEARCH"

REGIONAL RESEARCH LABORATORY
(Council of Scientific and Industrial Research)

No. SYM-24.11/63-SCI 700

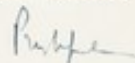
Hyderabad-9.

3 - JAN 1964

Dear Francis,

We have noted that you will be arriving in Hyderabad for attending the symposium on Nucleic Acids, on 15th January, 1964, at 9.55 A.M. by air/train from Bombay. You will be received at the airport/~~Secunderabad railway station~~. ~~If you are travelling by train, please get off at Secunderabad Station and not at Hyderabad or Raichur Station.~~ We have just received this information from our travel agents.

Yours sincerely,



(P.M. Bhargava)

P.S. I have received the above information from our travel agents.
I trust it is alright.
See you soon

Dr. F.H.C. Crick, F.R.S.,
Medical Research Council,
Laboratory of Molecular Biology,
University Postgraduate Medical School,
Hills Road,
Cambridge,
U.K.

1st January, 1964.

Dr. P.M. Bhargava,
Regional Research Laboratory,
Hyderabad 9,
INDIA.

Dear Pushpa,

Thank you for your letters of 12th and 18th December. The travel arrangements are now almost complete. Could you please do one other thing for me, which is to book me a hotel in Bombay for the nights of 13th and 14th January (single room, with bath if possible), and leave a message with me, stating the name of the hotel, with Air India at Bombay AND at Beirut.

For your information my schedule is:

Beirut/Bombay	SR.504	12th January	take-off	19.45
			arrive	05.30
Bombay/Hyderabad	IC.119	15th January	take-off	07.20 RQ
			arrive	09.15
Hyderabad/Bombay	IC.120	23rd January	take-off	19.05 RQ
			arrive	21.00
Bombay/Hong Kong	AI.106A	24th January	take-off	07.00
			arrive	17.25

I shall need a hotel in Bombay for the night of 23rd January, but I can arrange that when I arrive there.

The meeting looks very interesting. Greatly looking forward to my visit,

Yours sincerely,

F. H. C. Crick



Dr. P.M. Bhargava

Telephone: 72117

Telegrams: Research

REGIONAL RESEARCH LABORATORY
HYDERABAD-9

No. SYM-24.3. 2 /63-SCI/ 46415

27 DEC 1963

Dr. F.H.C. Crick, F.R.S.
Medical Research Council
Laboratory of Molecular Biology
University Postgraduate Medical School
Hills Road
Cambridge
U.K.

Dear Francis:

I am writing further to my letter dated, 29th October, 1963, in which I requested you to preside over one of the sessions of the symposium on Nucleic Acids scheduled to be held here next January. We have taken the liberty of putting you down for presiding over the afternoon session on 21st January, 1964. The papers by the following participants will be presented in this session:

1. Dr. N.K. Sarkar
2. Dr. A.E. Mirsky
3. Dr. A.T. Natarajan

The abstracts of the papers to be presented at the symposium have already been sent to you by air mail.

Looking forward to having you with us in January and with kind regards,

Yours sincerely,

(P.M. Bhargava)



Dr. P.M. Bhargava

Telephone: 72117

Telegrams: Research

REGIONAL RESEARCH LABORATORY
HYDERABAD-9

No. SYM-24.3.2/63-SCI/ 46110

24 DEC 1963

Dr. F.H.C. Crick, F.R.S.,
Medical Research Council,
Laboratory of Molecular Biology,
University Postgraduate Medical School,
Hills Road,
Cambridge,
U.K.

Dear Francis,

We have yesterday mailed to you an advance copy of the abstracts^{set of} of the papers to be presented at the symposium on Nucleic Acids here next January along with the lists of participants and observers. I am sorry we did not wait for your abstract and I hope you would not mind. We wanted to put them in the mail yesterday since we have been keen that they be in the hands of the participants and observers before the end of the year so that they have reasonable time to go through them if they should like to do so. I am looking forward to be able to include your abstract in the final compilation of the abstracts to be presented at the symposium which will be provided to all the participants immediately after their arrival in Hyderabad.

Looking forward to seeing you in January and with best wishes,

Yours sincerely,

P. Bhargava
(P.M. Bhargava)



Dr. P.M. Bhargava

Telephone: 72117

Telegrams: Research

REGIONAL RESEARCH LABORATORY
HYDERABAD-9

No. SYM-24.3.2/63-SCI/46982.

3 / DEC 1963

Dr. F.H.C. Crick, F.R.S.,
Medical Research Council,
Laboratory of Molecular Biology,
University Postgraduate Medical School,
Hills Road,
Cambridge,
U.K.

Dear Francis,

Thank you very much for your letter of 20th December, 1963, and for the abstract of the popular talk and the photograph. I expect, by now, your difficulties in regard to your travel arrangements would have been resolved. We have received confirmation that the Air India at London is already in touch with your travel agents. If by any chance there is any difficulty, please request your travel agents to give you a credit of £400 and we will reimburse this amount. I want to make absolutely sure that this difficulty does not come in the way of your being able to come to Hyderabad, and I appreciate your putting up with all these difficulties which I know can be most annoying. Please do let me know the date and time of your arrival in Hyderabad so that we could arrange to receive you at the airport. The detailed programme of the symposium will be provided when you are met at the airport.

Your popular talk has been fixed for the evening of 17th January, 1964. I also hope that you will talk to us about your recent investigations in the symposium proper, as we are tentatively scheduling this presentation for the 20th January, 1964, at 4.05 P.M., and trust it will be alright with you. In total, 50 minutes will be available for your talk and the discussion on the 20th January afternoon.

With best wishes,

Yours sincerely,

P. M. Bhargava
(P.M. Bhargava)



Sir Henry Lunn LTD

(Established 1892)

6 King's Parade, Cambridge.
Telephone: Cambridge 25479.
Telegram: GOLUNWAY, Cambridge.

Head Office
Marble Arch House
36 Edgware Road
London, W.2

CAM 5/40086

Dr. F. Cricke,
19, Portugal Place,
Cambridge.

23rd December, 1963.

Dear Sir,

We are pleased to confirm the following air reservations and kindly note that the three sectors marked RQ are still subject to confirmation:-

London/Beirut	AI.104	8th January	take-off 10.45	
			arrive 20.50	
✓Beirut/Bombay	SR.504	12th January	take-off 19.45	
			arrive 05.30	
Bombay/Hyderabad	IC.119	15th January	take-off 07.20	RQ
			arrive 09.15	
Hyderabad/Bombay	IC.120	23rd January	take-off 19.05	RQ
			arrive 21.00	
✓Bombay/Hong Kong	AI.106A	24th January	take-off 07.00	
			arrive 17.25	
Hong Kong/Tokyo	AI.112A	27th January	take-off 18.10	
			arrive 22.30	
Tokyo/Honolulu	JL.812	30th January	take-off 10.00	
			arrive 21.15	
Honolulu/Los Angeles	PA.812	1st February	take-off 10.15	
			arrive 17.15	
Los Angeles/New York	AA.8	2nd February	take-off 13.30	
			arrive 21.10	
New York/San Diego	- Open	17th ?		
San Diego/Los Angeles	AA.006	2nd March	take-off 08.30	
			arrive 08.59	
Los Angeles/Cincinnati	AA.088	2nd March	take-off 10.30	
			arrive 18.00	
Cincinnati/Raleigh (Durham)	PI.806	2nd March	take-off 18.40	RQ
			arrive 22.29	

continuel....



Branches in Great Britain and Agents throughout the world



Sir Henry Lunn LTD

(Established 1855)

6 King's Parade, Cambridge.
Telephone: Cambridge 55479.
Telegram: GOLUNWAY, Cambridge.

Head Office
Marble Arch House
26 Edgware Road
London, W.2

continued....

Raleigh (Durham)/New York	EA.117	6th March	take-off 13.05 arrive 15.07
New York/London	AL.112	7th March	take-off 21.30 arrive 09.10

Negotiations are in progress with Air India
regarding the collection of £400 from Dr. Bhargava.

Further details will follow.

Yours faithfully,
Sir Henry Lunn Ltd.,

D.P. Loveridge,
Branch Manager.



Branches in Great Britain and Agents throughout the world

Francis

15th - 23rd January:

c/o Dr. P.M. Bhargava,
Regional Research Laboratory,
Hyderabad 9,
INDIA.

3rd - 17th February:

c/o Miss M. Cowenhoven,
Faculty Committee on Public Lectures, Princeton University.,
Princeton, N.J.,
U.S.A.

18th Feb - 1st March:

The Salk Institute for Biological Studies,
Post Office Box 9499,
San Diego 9,
California,
U.S.A.

3rd - 5th March:

c/o Professor J. Graham,
Dept. of Pathology,
University of North Carolina,
School of Medicine,
Chapel Hill, N.C.,
U.S.A.

Francis

8th January - 12th January;

Bristol Hotel, Beirut,

24th - 27th January;

The President Hotel,
Nathan Road,
Kowloon,
Hong Kong.

27th - 30th January;

Okura Hotel, Tokyo.
Japan.

30th Jan - 1st Feb;

Edgewater Hotel,
2160 Kalia Road,
Honolulu,
Hawaii.

BY AIR MAIL

हवाई पत्र

AEROGamme

NO ENCLOSURES
ALLOWED



Dr. F.C.H. Crick,

Nobel Laureate, Fellow of

Royal Society, Medical

Research Council Laboratory
of Molecular Biology,

CAMBRIDGE, ENGLAND

Conn - 66

Third fold here

Sender's name and address :-

M.D. Gargil, M.I.E.,

Retired Engineer,

3-4-215, Anand Vilas

Lingampally,

Hyderabad-27 (India)

To open cut here

M.D. Gadgil, M.I.E.,
Retired Engineer,
3-4-215, Anand Vilas,
Lingampally, Hyderabad-27

Dated: 22 - 2 - 1964

Dear Dr. Crick,

Many thanks for your prompt reply dated 23-1-1964, sent from 'Lake View' of Hyderabad Deccan. The information you have given is crucial and important and is enough for my guidance.

I cannot but add that your lecture at Hyderabad on 17-1-1964, was most illuminating and educative for which the Hyderabad public is most thankful to you.

I have to confess that I made a prodigious mistake in the reference I made in my letters dated 20-1-1964 and 25-1-1964. It should have been to Life Magazine of 4-10-1963, and not to the Scientific American of October 1963. This must have puzzled you a great deal. I am extremely sorry for the same and I beg to be pardoned, please.

Yours sincerely,

M. D. Gadgil
(M.D. GADGIL)

22/2

Dr. F.C.H. Crick,
Noble Laureate, Fellow of
Royal Society,
Medical Research Council Laboratory
of Molecular Biology,
CAMBRIDGE, ENGLAND

20th December, 1963.

Dr. P.M. Bhargava,
Regional Research Laboratory,
Hyderabad 9,
INDIA.

Dear Pushpa,

Many thanks for your telegram. As soon as my travel agent has obtained all my bookings I will send you the details of my itinery.

I enclose a brief abstract of my "popular" talk. My actual passport photograph is terrible, so I am sending you the only reasonable photo I have. Its rather large, but you can easily reduce its size.

Looking forward to seeing you in January,

Yours sincerely,

F. H. C. Crick

The Structure and Function of DNA - Abstract

DNA is a long polymeric molecule which carries the genetic information in all organisms except certain small viruses. It is usually found as a double-helical molecule, consisting of two long strands which are wound round each other and fit closely together. The genetic information in any piece of DNA is expressed by the exact sequence of the four kinds of monomers from which the polymer is made.

DNA carries out two functions. It acts as a template for its own replication, so that the genetic material can be copied and passed on to the next generation. It also acts as a template for the production of messenger RNA, a type of molecule which directs the synthesis of protein molecules. The way DNA carries out these two functions will be described.

F. H. C, Crick



Dr. P.M. Bhargava

Telephone: 72117

Telegrams: Research

REGIONAL RESEARCH LABORATORY
HYDERABAD-9

No. SYM-24.3.2/63-SCI/ **45319**

18 DEC 1963

Dr. F.H.C. Crick, F.R.S.,
Medical Research Council,
Laboratory of Molecular Biology,
University Postgraduate Medical School,
Hills Road,
Cambridge,
U.K.

Dear Francis:

I have just received your letter of 12th December and I trust you received the following cable which I sent in reply:

REFERING YOUR LETTER TWELFTH DECEMBER LONDON AIRINDIA IS BEING
INSTRUCTED TO CONTACT YOUR CAMBRIDGE TRAVEL AGENTS AND ISSUE
TICKETS WORTH £400 AS YOUR AGENTS DESIRE TOWARDS YOUR TRIP

I quite realise the difficulty in arranging your trip through a travel agent outside of Cambridge. It will be perfectly alright with us if your trip is arranged by your Cambridge travel agents, Sir Henry Lunn, Ltd. We are instructing our travel agents as well as the Air India office in London to get in touch with your travel agents at Cambridge and to either provide your travel agents with credit for £400 or to issue you tickets worth £400 (or more if necessary) for any route that you or your travel agents may desire for your journey, whichever they find mutually convenient. We assure you that this would be done before the 8th January. I do not expect there will be any difficulty in doing this. It is really an oversight on my part and I should have made this arrangement right in the beginning. I do hope you will forgive the inconvenience.

Even if the expenses exceed £400, please do not bother about it; we shall arrange to take care of it. I expect, in the meanwhile, you would have also received a formal invitation from Dr. S. Husain Zaheer, Director-General, Council of Scientific & Industrial Research, New Delhi.

Looking forward to your visit and with best wishes,

Yours sincerely,

P.M. Bhargava
(P.M. Bhargava)

18th December, 1963.

Dr. S.H. Zaheer,
Council of Scientific & Industrial Research,
New Delhi,
INDIA.

Dear Dr. Zaheer,

Thank you very much for your letter of 13th December, inviting me to visit India in January 1964, and participate in the symposium on "Nucleic Acids" at Hyderabad. I accept with pleasure, but I regret that I have to go on to Princeton, and it will not be possible for me to visit any Indian research institutions on this particular trip. I shall however, be able to attend the whole of the symposium, and I will let Dr. Bhargava know the details of my travel plans as soon as they have been settled.

With kind regards,

Yours sincerely,

F. H. C. Crick

Charges to

s.

RECEIVED

POST OFFICE



TELEGRAM

No.

OFFICE STAMP

Prefix. Time handed in. Office of Origin and Service Instructions. Words

TS 15/110 LN N69/444 SKA45 S5027

At SECUNDERABAD 40 16 1840 H/OCS 1104/17TH QIGS m

From

By

VIA IMPERIAL =

By

ETAT = FRANCIS CRICK LABORATORY OF MOLECULAR
BIDOGY HILLSROAD CAMBRIDGE

REFERRING YOUR LETTER TWELFTH DECEMBER (STOP)
LONDON AIRINDIA IS BEING INSTRUCTED TO CONTACT
YOUR CAMBRIDGE TRAVEL AGENTS AND ISSUE TICKETS
WORTH POUNDS FOURHUNDRED AS YOUR AGENTS DESERVE

at office of delivery. Other enquiries should be accompanied by this form, and, if possible, the envelope.

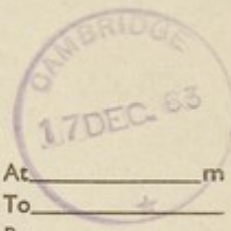
Charges to pay
_____ s. _____ d.

RECEIVED

POST OFFICE
TELEGRAM

Prefix. Time handed in. Office of Origin and Service Instructions. Words.

No. _____
OFFICE STAMP



At _____ m
From _____
By _____

(2)

At _____ m
To _____
By _____

TOWARDS YOUR TRIP = PUSHPA +

TS 15/110 LN

For free repetition of doubtful words telephone "TELEGRAMS ENQUIRY" or call, with this form at office of delivery. Other enquiries should be accompanied by this form, and, if possible, the envelope. B or C



DIRECTOR GENERAL

3259
D.O.No.12/2/63-PC / BY AIR MAIL.

COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH

NEW DELHI the 13th Dec.19 63

Dear Dr.Crick,

I have great pleasure in inviting you to visit India in January, 1964 and to participate in the symposium on "Nucleic Acids" which is being held at the Regional Research Laboratory, Hyderabad. Perhaps Dr.P.M.Bhargava has already written to you about this matter.

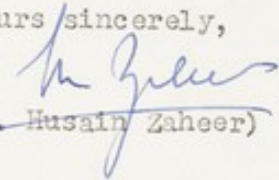
During your visit to this country you will not only participate in this symposium but we would also like to arrange for your visit to some of our research institutions in which you might be interested. I understand that you have to be in Princeton in the third week of January, 1964. We shall be glad to take care of the extra expenses which may be involved in your visiting India and also your internal hospitality and travel.

I do earnestly hope that it will be possible for you to accept this invitation to which we shall be anxiously looking forward. I shall be grateful to have your confirmation.

You may also like to write to Dr.Bhargava of Regional Research Laboratory, Hyderabad-9(India) about your expected date of arrival and visits to the research institutions in which you would be interested as he has been entrusted with the work of making your travel arrangements and drawing up your itinerary.

With kind regards,

Yours sincerely,


(S. Husain Zaheer)

Dr. F.H.C.Crick,
Medical Research Council,
Laboratory of Molecular Biology,
University Postgraduate Medical School,
Hills Road,
Cambridge U.K.

TELE: NO. 72117

TELEGRAM: "RESEARCH"

REGIONAL RESEARCH LABORATORY
(Council of Scientific & Industrial Research)

No. SYL-24.19/63-SCI/

44588

Hyderabad-9

12 DEC 1963

Sub: Reservation of accommodation in Hyderabad for the delegates to the symposium on Nucleic Acids to be held at Regional Research Laboratory, Hyderabad, from 16-23 January, 1964.

Dear Francis:

I am writing to inform you that we have reserved accommodation for you as follows:

Place: Lake View Guest House, Somajiguda, Hyderabad.

Kind of accommodation: Single room.

Approximate cost: None. You will be the guest of the CSIR.

Dates: 15-23 January, 1964 (both days inclusive).

Looking forward to your visit to Hyderabad,

Yours sincerely,

P M Bhargava
(P.M. Bhargava)

Dr. F.H.C. Crick, F.R.S.,
Medical Research Council,
Laboratory of Molecular Biology,
University Postgraduate Medical School,
Hills Road,
Cambridge,
U.K.

12th December, 1963.

Dr. P.M. Bhargava,
Regional Research Laboratory,
Hyderabad, 9,
INDIA.

Dear Pushpa,

Your letter of 5th December arrived yesterday. I have just been to see my Cambridge travel agents - Sir Henry Lunn, Ltd., of 6 King's Parade, Cambridge - about the travel arrangements. Unfortunately they had already made bookings for me on various airlines. However they are now trying to rebook me on Air Indaa, as far as that is possible. There are however parts of my journey (e.g. from Hong Kong to New York) which Air India does not cover, so I shall have to travel on other air-lines for those sections.

My travel agents ask me to tell you that they will deal direct with the Air India office in London. It is essential that the latter have the £400, and can credit it against the air ticket for my whole journey. As this will come to considerably more than £400 I shall of course have to pay the difference to my Cambridge agent. I must also insist that the travel arrangements be made through my agent. My trip is naturally an intricate one, and I cannot arrange it satisfactorily through an agent who is not in Cambridge.

I'm afraid I foresee difficulties about all this, due to the Indian Exchange restrictions, and also due to delays in the rush over Christmas. May I ask you to take rather drastic and immediate steps to prevent trouble arising, as otherwise I shall not be able to come. I plan to leave England on 8th January so there is very little time left.

I am sure you realise that the travel money is little use to me if I cannot spend it to pay for travel outside India. If you are unable to arrange this I shall have to cancel my visit.

I do apologise for being such a bother, I will send you an abstract of my talk and a photograph shortly, but I thought I had better get this letter off today.

Yours sincerely,

F. H. C. Crick

*copy to
Lunn*



Dr. P.M. Bhargava

Telephone: 72117

Telegram: Research

**REGIONAL RESEARCH LABORATORY
HYDERABAD-9**

No. SYM-24.3.2/63-SCI/ **43579**

5 DEC 1963

Dr. F.H.C. Crick, F.R.S.,
Medical Research Council,
Laboratory of Molecular Biology,
University Postgraduate Medical School,
Hills Road,
Cambridge,
U.K.

Dear Francis,

Thank you very much for your letter of 26th November, 1963. We are most happy to note that you will be able to attend the symposium on Nucleic Acids here next January. We shall be glad to provide £400 towards your travel expenses.

You will shortly receive a formal invitation from the Director-General, Council of Scientific & Industrial Research, Govt. of India, New Delhi. This invitation may not specifically mention the symposium on Nucleic Acids in Hyderabad, but will make it clear that you will be free to spend your time in India as you wish. The Director-General, Dr. S. Husain Zaheer, will be in Hyderabad during the symposium and I am sure you will enjoy meeting him.

Regarding your travel arrangements it will save us considerable procedural difficulties if you will travel by Air India International. The Govt. of India usually arranges the travel of those whom it invites, by Air India International to avoid expenditure of foreign exchange. The amount in rupees equivalent to £400 will be credited to one of the Air India offices in India towards your fare. We shall advise the Air India office in London accordingly. I do hope this will be alright with you; if there is any difficulty, please do not hesitate to write. If this involves some expense over £400 please let me know, we shall be glad to take care of it.

We are scheduling your public lecture for the evening (7 P.M.) of Friday, the 17th January, 1964. I hope this will be alright with you. This will be the first lecture of the series of three "popular lectures" during the symposium week. The other two lectures will be delivered by Prof. Jean Brachet (Brussels, Belgium) and Prof. Charles Heidelberger (Madison, Wisconsin, U.S.A.)

Looking forward to your visit and with best wishes,

Yours sincerely,

P.M. Bhargava
(P.M. Bhargava)

4th December, 1963.

Secretary to
Dr. P.M. Bhargava,
Regional Research Laboratory,
Hyderabad 9,
INDIA.

Dear Madam,

Dr. Crick has just received your letter of 23rd November, and has asked me to tell you that the delay was caused by it being sent to Cambridge U.S.A. before arriving here.

Yours truly,

Sonja Schilling
Secretary

C/o C.S.I.R., Rafi Marg,
New Delhi-1.

December , 1963.

10 o'clock

I am taking this opportunity of inviting you to join us in a discussion at Regional Research Laboratory, Hyderabad on 23rd January, 1964. The attached letter explains the purpose and scope of the discussion.

We have chosen this date, as leading biologists from all over the world will be gathering for a symposium on Nucleic Acids organized by the Regional Research Laboratory in Hyderabad. The symposium will end on 22nd January and we hope to have our discussion on the 23rd January, 1964.

I hope it will be possible for you to join us in this discussion. I would very much appreciate having some indication from you in case you propose joining us for discussion.

In case it will be possible for you to attend, I would appreciate if you could kindly inform Dr.P.M.Bhargava, Regional Research Laboratory, Hyderabad-9, with regard to the date of your arrival and if you would desire any accommodation.

With regards,

Yours sincerely,

(A. RAHMAN)

A G E N D A

1. Formal statement of the problem -
Dr. S. Husain Zaheer.
2. Religion as a social movement, tradition,
ritual and dogma and modern scientific ideas. -
Dr. D.D. Kosambi.
3. Growth of scientific reationalist as a
parallel movement -
A. Rahman.
4. Contemporary scene: religion, culture and
tradition and science -
Dr. P.M. Bhargava.
5. New frontier in biological thought -
(not yet decided, probably by some visiting
scientist).
6. Conclusion: preparation of a formal statement.
7. Formation of the new Society and adoption
of memoranda.

We are taking this opportunity of inviting you to a discussion on the intellectual problems engendered by the development of science, particularly with regard to the ideas and values created by modern science which come in direct clash with some of the traditional beliefs and fossilized intellectual ideas hallowed by long tradition and intellectual stagnation.

Today there is a lot of talk about the impact of science and technology on society. It is emphasized that science and technology both have become an integral part of the social development of our country. It is not, however, realised that this dependence of society on science and technology also implies a change in the outlook of people. Science and technology cannot be supported by a society whose members have an anti-scientific outlook. Modern technologies, and the services based on these, require a new outlook and a new standard of social behaviour. It is the technical and industrial transformation that gives a certain dignity to human life and opportunity for constructive work to the average citizen, and this cannot be achieved without a transformation in the outlook of people. What is meant by a scientific outlook is the method of arriving at truth or at conclusions or social decisions. It may be stressed here that there is nothing sacrosanct about this method, but it has a judiciousness characteristic of its own. It is based on observation, collection of data by most rigorous standards, analysis of data, arriving at conclusions based on the previous steps and testing the conclusions in practice to arriving at larger generalizations. A unique feature of these conclusions is that they not only give a picture of things as they exist but also serve as a take-off points for the future. This mode of thought which concretizes human experience, takes into

consideration the probability of events and suggests a quantitative correlation between the effort and the achievement.

In other words, those countries which today are trying to bring about a technological transformation of society have, in fact, a two-fold objective: changing the outlook of men and changing their environment.

India is faced today with the problem of breaking down superstitions, deeprooted prejudices and a narrow outlook, which have been keeping people pre-occupied with petty issues. This has led to frustration and lack of outlet for the creative energies of people. This can only be remedied by giving people a scientific perspective so as to organize their effort and channelise their energies towards constructive work. This means that there is a singular responsibility on the scientists and the Government for popularization of science. Popularization does not mean mere dissemination of facts of science, but the creation of an outlook of science, or what the Prime Minister has called 'a scientific temper'. It may not be out of place here to mention that those countries, which are trying to bring about a technological revolution, are also emphasizing equally the transformation in the outlook of people through popularization of science.

This is also important for the healthy growth of science. Unless there is an informed body of public opinion on scientific matters, the scientists tend to get isolated and form a closed circle. They tend to occupy themselves entirely with their specialized fields and do not tend to take a broader or synoptic view of science. This makes them timid socially, whereas science, by its very nature, is revolutionary.

Popularization of science and the creation of scientific temper in the country is, therefore, of the utmost

significance and importance for the healthy growth and promotion of science in the country. Once this is carried out effectively on a large scale, India will imbibe the spirit of science and be able to make a major contribution to science itself. India has a long tradition of humanism and has endeavoured to synthesize human values from different traditions and civilizations and this may contribute something fundamental to the purely technical tradition that we have taken over from the West. Would this not be a major contribution to world civilization, leading to the creation of new values of science?

We hope that the discussion which we are proposing to organize will lead to the formation of a Rationalist Association in this country, to actively pursue the aims and objectives outlined in the above statement.

Yours sincerely,

Dr. Satish Dhawan.

Dr. P.M. Bhargava.

A. Rahman.

O. Jhadeji:

Tata Institute of Fundamental Research,
Colaba, Bombay - 5-

—
{ Flat 38,
Kenilworth,
53 Redder Rd.
{ Bombay 26

Science and Religion as Parallel Movements

A Rahman

0. Introduction

It is made out by many now that the areas of science and religion are complementary, that science looks after the material advance while religion takes care of the spiritual. It is claimed that it is the latter which gives stability to human life, by making man reflect upon the deeper and fundamental aspects of life. While these claims are made, in practice religion becomes the cloak for advancing irrational ideas both ^{about nature} scientific as well as ^{society} social, making it possible for dishonest men to reason unsoundly.

The suggestion in this paper is that the two movements are not complementary but contradictory in nature. Irrespective of the socio-historical role of religion in the past, its continuation in modern society is affecting seriously the growing points in human intellectual and social life. Religion has in fact become a serious danger.

The situation in India is particularly serious. The number of religions have fragmented the nation and are a source of continuous friction and frittering-away of energies. In the way they are practiced, they are a mixture of primitive ideas about nature and human life on the one hand, and social customs and traditions of various historical periods on the other. Their hold is so strong, and the intellectuals are so timid, that it is not possible to clearly state social and scientific issues. A situation has been created in which in the name of religion, the most primitive sociology and ideas are being taught to children in school, affecting the entire future of the society.

It is, therefore, time that the problem is posed and issues polarised.

This paper is divided into four parts:

- 1) Difference between science and religion.
- 2) The sphere of religion
- 3) The movement of growing out of the religious way of looking at nature, man and society.
- 4) The special situation of science in India.

1. Difference between science and religion

The major difference between the religious approach and scientific outlook lies in the way knowledge is acquired and extended and the way it affects the future.

In the first place, religious experience and the knowledge acquired through it, is non-cumulative. Once it is acquired, it has either to be accepted in toto or rejected; there is no room for modification through accretion of experience and knowledge. It is non-historical and non-evolutionary. Consequently religious studies (as distinct from what is called religious experience) are reduced to mere commentaries and explanations, since they take the experience of the initiator and his expressions as ultimate truths which cannot be questioned. In other words, there is no possibility of advancing knowledge. It is just like Ford saying, at a meeting of the directors of his Company, when pressed to change the colour of Ford cars from black to others: "All right, people can have any colour they want, as long as they want black". The freedom of a person is only the freedom of a commentator.

Secondly, the religious tradition is backward-looking. The purest point is the initiator. You look back to his experience and his sayings for clarification and guidance. This may look innocuous, but it creates and promotes an outlook which suggests that with the passage of time, man degenerates rather than improves.

Thirdly, the way religion has divided humanity into tight compartments raises some serious problems. It is like a big block of flats, each of which is self-contained without any communication between the neighbours.

Any new person, or an outcast from one of these self-contained flats, has no other alternative but to wander in the corridors aimlessly finding neither rest nor food. Only the initiated have the key to open the door and to let themselves in, but once they are in, they lose all contact from outside.

Science on the other hand is just the opposite. Scientific knowledge is cumulative, and hence historical and evolutionary. It can be verified, modified and improved. It is forward-looking. The possibilities for man improve with the passage of time. The scientists of a later generation are better scientists because they stand on the shoulders of their predecessors.

2. The sphere of religion

There are four spheres which are covered by religious thought and attitudes: Ideas about nature and man, psychological experiences, social beliefs, and morality and ethics. Though not explicitly stated, religious thought is deeply involved with these spheres in some form or other.

In each of these spheres, religion seems to suggest experiences, standards and codes for the individual as well as the group. The suggestions and ideas are based on purely individual experiences which are primitively emotional. It is only when these experiences or ideas are later codified through explanations and commentaries that a corpus of theoretical understanding emerges.

It may be worthwhile to state here that in religion itself there has been a keen strife between the theologians and those who emphasise primitive experiences. The mystics in Islam, for instance, represent the latter. Their emphasis is on experiences, which each individual goes through himself, suggesting that each life is individual and is a beginning and end in itself. This

also brought them in direct conflict with theologicians. The problem is more complex than stated here as there are social frills also. The theologians on the other hand represent a more intellectual approach. Their limitations and differences with the scientists have already been mentioned before and need not be repeated.

This leads to our next aspect, which is the progress of science and the manner in which it has eroded the spheres of religion.

3. Growing out of the Religious view

3.1 Ideas about Nature and Man

All the religions have definite ideas about the origin of life, development of man and cosmology. These ideas depend upon the scientific knowledge which existed at the time of the origin of a particular religion. In some cases the religious leaders relied solely on earlier and more primitive ideas than were current. Religious views on these topics, and on other natural phenomena are a matter of belief, without any reference to the method of arriving at these generalisations. In addition, their imaginative content suggests that they could be a result of certain psychological states of mind.

The first conflict of science and religion started in this sphere. Since the beginning of this conflict, science has eaten into the spheres of religion and today, by and large, people accept scientific views, rather than religious ideas, on natural phenomena.

3.2 Psychological experiences

In the past psychological states were a part of religious experiences. By now most of these, whether induced through drugs or produced by emotional states, have been discarded. There is, however, a fringe of what is commonly termed as intensely religious experience, which is still referred to. I am not alluding to dream sequences, but to what can be called intensely imaginative

creativity, illustrated by what a poet or litterateur experiences.

This phenomenon is not yet understood scientifically. Yet the very fact that the more esoteric of these practices have been given up gradually with the impact of scientific knowledge, shows that they could no longer be used to mystify people and to retain them in the fold. Moreover, the nature of these experiences, if examined carefully, would show that there is nothing superhuman about them. Acts of poetic and even scientific synthesis have often the same imaginative sweep.

3.3 The social sphere

Many of the religions of which we know, such as Buddhism, Christianity or Islam, started at first as movements of social reform. They appealed to and converted the down-trodden, making them spearheads for the changes which followed in the wake of these religious upheavals.

It would be really worthwhile to study the sociology of religions in relation to other social and productive changes in society.

These movements of social reform, however, did not have any clear theory behind them. Their approach and appeal was essentially emotional. As soon as the emotional stimulus wore off, these religious movements came to terms with the conservative sections of society and themselves became the upholders of these values. They only replaced one set of believers with another.

The social content, and the involvement of religions with the current sociology, is most explicit in the field of law. Each religion developed laws for individual and social behaviour. We need only state here that social evolution greatly modified the original laws and, in modern times, made them totabllly obsolete. In modern societies new laws, more relevant to our life, have had to be formulated.

As the industrial revolution gathered momentum, instead of a new religion, more defined social movements came into being, such as nationalism and socialism. Both these movements have both an emotional appeal as well as a theory, and in this respect were different from religious movements. While the former were largely negative, the latter were more positive and had a broader appeal.

An element of emotional appeal in both these social movements of nationalism and socialism colours them with some of the worst aspects of religious movements, viz. intolerance and dogmatism.

With the growth of human knowledge about society and social laws, the chances of religious movements being initiated are less now. It is more likely that a scientific approach will be made to solve those problems where once religious thinking held sway.

In our times a beginning has been made in isolating these problems which are affecting society, studying them scientifically, and bringing about the necessary social changes. Planning has become a powerful instrument of controlled social change. In a sense it has taken the place of what could have been a religious movement in earlier days.

3.3 Morality and ethics

This is the field in which the major force of religious thought is concentrated, primarily based on the belief that moral and ethical standards are non-temporal. A comparative study of the current codes of morality and ethics of different religions, and of the same religion in different periods, would contradict such a belief.

If the codes of ethics and morality are defined as guides to decision-making on the individual and social plane, the recent developments in science would affect this sphere also. Today science is developing a judiciousness of its own, based on the appraisal of factors involved

in a situation, and the correlation of these with objectives, to arrive at conclusions. At the basis of this change is a realisation of the statistical character of phenomena, which gives rise to a new code by replacing the absolute concept with one of degree. It makes possible a gradual refinement and improvement in human conduct, based on the objective desired and the resources to be put in to attain this objective to a certain degree. While religious codes, by breaking humanity into two tight compartments of believers and non-believers, contradicts what it professes, the scientific attitude has no such limitation and contradiction.

4. The special situation of science in India

The special situation in India is created by the multiplicity of religions, together with a well-directed movement of revivalism on the one hand and the lack of a definite scientific movement on the other. Indian scientists themselves are a prey to superstitions and irrational practices. The technicians worship machines as a primitive did his implements. This poses a serious danger to the efficient utilisation of resources, and indeed to science itself. These attitudes are a result of the growth of science in India, at which we may now briefly glance.

While science in the medieval period was never able to separate itself from religion, it was introduced in modern times in its present form by the British in opposition to older ways of learning and in an alien language. It was neither preceded by commercial travels, or geographical, geological and biological explorations, nor supported by any industrial movement. In other words it was not a part of the adventurous spirit of ^{enquiry} engineering nor of revolutionary social changes. The language in which it was introduced

further reduced the chances of its making a major impact on the outlook and life of the people. Consequently, socially it has remained wedded to bureaucracy and has produced a dichotomy in which even the scientists have developed a state of mind which promotes the most irreconcilable attitudes. Since the issues of scientific and primitive outlook have not been polarized and posed clearly, in the name of Indian tradition or religion the most primitive ideas are advocated and accepted in practice, and even children are given an education which makes them totally unfit for modern society.

Kosambi in his paper has given one example of population control, and I would like to instance in blood banks. It has been noticed in India that people do not volunteer to give or sell their blood, and hospitals are always in short supply. The reason for this lack of response would be clear from an incident which happened a few years ago. A blood donor accused a doctor, who had drawn blood from him, of being the father of his child. On being questioned, he stated that he had many children and his income being unable to support them had decided to donate his blood so that he should not have any more offspring ! He was of course a prey to the medieval knowledge of biology which suggest that 40 drops of blood make a drop of semen, so that when a person is bled he becomes impotent.

5. In the light of this paper, I would submit for your consideration the following suggestions:

5.1 A committee should be appointed to go through school text books and submit a report on the antiscientific, irrational elements included in these books. Based on these reports a definite recommendation should be made to Government.

5.2 Facilities of radio should be made available for the propagation of a scientific point of view even where

it directly clashes with the religious point of view.

5.3 Places of worship should not be constructed in educational institutions, and no educational institution should be allowed to have any compulsory course in theology. Religious studies should be academic studies like the studies in any other departments.

5.4 Students should be permitted to organise scientific, rationalist clubs to discuss antireligious views.

5.5 Universities should introduce a course, or series of extra-mural lectures, to discuss and debate the comparative ideas on science and religion.

5.6 The declaration of religion and caste in science or students forums should be omitted.

5.7 Religious invocations at government functions should be stopped.

5.8 Government and government servants in their official capacity, should not associate or support in any form with religious functions and institutions.

The Problems of Indian Religion

by

D.D.Kosambi
(Poona)

0.Preamble. In what follows, some social aspects of religion are considered in so far as they serve to keep India a backward country. The methods of cure suggested are by legislation, education and improved social conditions, with a brief example or two to bring out the basic idea in each case.

Reports by great religious leaders of the past show that they regarded their own experiences and revelations as the most exhilarating and profound happenings of a life time. But the details show that exactly similar and often identical experience may be had by the use of certain drugs, electrical stimulus of the brain, ^{le}asions of the cerebral ^fortex and in dreams. The trouble begins when people impose their views, on the basis of such experience, upon others. My treatment of the phenomenon is purely materialistic, no matter what the source of the revelation. Argument with men of religion on their own ground implies that their sacred books or some other sacred books have a peculiar intrinsic validity, not to be challenged by experiment or reason. I am not prepared to admit that religion cannot be understood or discussed by a man of no faith. This comes to saying that only a confirmed drunkard can be competent to deal with alcoholism. Whenever reform from within succeeded in India, the result was the addition of one more sect to the innumerable existing sects.

1. Legislation: The figure of speech about alcoholism has been deliberately introduced. Not only wine but mescaline and other drugs have formed the core of ancient or primitive modern religion. The potent soma of the sacred vedas was a drink of this sort too. Hashish was a reward for and stimulus to the murder of inconvenient opponents, as used by a fanatical Muslim sect of the Middle Ages in Asia Minor. The drug and its use gave rise to the word assassin. The sect itself changed into the more innocuous one of the Aga Khan. Religions have recognized kinship and rivalry between the spiritual and the spirituous. Thus Buddhism and Islam banned wine. If such a ban can now be defended on grounds of social necessity and prohibition be made part of a democratic constitution, why should other hallucinogens not be treated on the same basis? And what more powerful hallucinogen than religion?

There is one difference: That drugs can generally be relied upon to produce exaltation. Its purveyors are taxed and subject to regulation, while the individual who uses them has to observe public decorum and is severely punished for breaking law and order. Curative treatment is given to addicts. We have been very slow and hesitant in dealing with the purveyors of religion on the same basis. Only the most gruesome malpractices have been banned: sati (widow burning ; defended as 'voluntary' by many pundits), hook-swinging, and the most obscene features of the holi festival are now forbidden. The last comes directly from pre-history;

even Ashoka had trouble with the institution. But we have stopped half-way. Pilgrim taxes are levied by many places (Bangras) whether the visitor is a pilgrim or not. Why not tax all income from any religious source, including the 'voluntary' contributions from the pious? Why are temples and mosques not taxed on the same basis as many building reserved for the use of a special group? Marriage and divorce are now regulated to some extent by Civil procedure; monogamy has become a legislative measure regardless of religion. Why not secularize these social institutions completely and compulsorily?

tax on
Gitar?

parallel?
over.

2. Education: Some people, though willing to admit that Indian religion has its harmful aspects, insist that education is the sole remedy. It is not, of course, but there is every advantage in educating people out of their superstition. That is one way of improving Indian education and social conditions, provided education is understood in a sense far wider than that of the school room. The crudest of Indian superstitions is faith in astrology. Millions still bathe at a solar eclipse, not as a hygienic measure but to free the sun from a demon of darkness. It is known, however, that there is no longer a risk of perpetual darkness if the ritual bath be omitted. The precise time and duration of the eclipse is predictable long in advance, not by the brahmin's stock in trade but by Newtonian theories of the universe. It is not enough to make this fact public, namely that the Indian almanacs surreptitiously borrow their information about eclipses from foreign sources, while retaining the tripe about planetary influences

upon horoscopes. The panchang almanacs sell by the hundred thousand all over the country, each part having one or more of its own. Their very existence must be turned to good use by inserting useful information: First aid, hygiene, element of legal rights for the citizen, possibilities of getting aid from other sources than the blood-sucking money lenders in time of need, and so on. Let the planets stay, and give their positions by all means; but make the traditional almanac into a really useful educational document.

Specifically
Indian
problem.

Here, the modern educator is definitely at fault. He works through a bureaucratic mechanism originally imposed by a foreign government and allowed to continue by inertia. His own education has, more often than not, consisted in learning foreign books by rote where his grandfather might have recited Sanskrit texts with as little understanding. Often, he can teach the latest scientific theories in school and maintain outside the classroom that his ancestors three thousand years ago could fly through the air by the power of YOGA and see the atomic nucleus and viruses by their inner sight. He never turns scientific methods upon the study of superstition. Why did the superstition arise? Did the Indian almanac ever perform any useful function at all? If not, how account for its rise and spread?

The basic fact is that the whole of Indian agriculture turns upon the monsoon. The annual rains begin at about the same time every year in any given part of the country, but the land has to be prepared for the sowing well before then. Similarly, the harvest has to be taken in after the last normal rain has fallen. But the calendar is a very advanced scientific concept in primitive life, determined mainly by long observation,

of the positions of the sun, moon, planets. We know that these heavenly bodies merely mark the time; for primitive man, they made the weather, as the very word meteorology indicates. So, they also seemed to control man's destiny. These all-powerful stars would have to be propitiated according to the priest's instructions.

has scope
in England.

To counteract this, education is the best method. Just as eclipses can be predicted, the onset and strength of the monsoon can also be predicted. Not as accurately as astronomical phenomena, but much better than the varsha-phala ('yield of the rains') given in every Indian almanac. It is easier to send out storm warnings by radio and much quicker too. With radios in every key village, the farmer could be advised - given an efficient weather bureau - when to sow and to harvest. But this means leaving the panchang almanac alone. If we do this, superstition will survive much longer, and may be perverted to strange uses by some interested people. The best way is to have a reasonably efficient long-range weather forecasting system. This is now well within our reach with air-mass analysis and observation satellites. The information must then be put into every almanac and the basis of calculation carefully explained in simple language. The peasant will see for himself that the stars have nothing to do with the weather or the monsoon and will be willing to listen when other bits of really useful scientific information are given. Even now, he knows that fertility rites are much less effective than the proper use of fertiliser. But we must not throw

but?

away the magnificent chance of utilizing an old institution like the almanac to cut down the very superstition it promotes.

3. Social conditions: The last section says in effect that tout comprendre is by no means equivalent to tout pardonner. Let us try the method on the most obscurantist of all Indian religious and social institutions, caste. The evils of the caste system are known, but no one asks himself why the system originated and why it has held on in spite of so great a change in Indian life. Why should the brahmin's pretensions be believed when he puts his sons to work in an office which uses only English, not Sanskrit and is perhaps headed by a beef-eating sahib? The answer is quite obvious. Caste was socially useful at one time, when production was at a much lower level. It was the one way of keeping people together in cooperative effort rather than have every man strike out for himself with the common ruin of all. The village was the firm basis of caste, because land was generally held by a kinship group. Tenure of land and membership of the group went together. Whoever was out-cast could no longer survive in the village. With feudal tenure, caste was still powerful as a common bond against unlimited oppression. Whole villages would desert en masse if the baron bore down too hard. Their caste-fellows were bound to help these peasant strikers in distress. Further, the village need for a potter, blacksmith, carpenter, barber and was fulfilled by artisan castes when the level of commodity production was low.

contd. .. 7

Today, factory production, overcrowded cities, road and rail transport have changed all this. Caste persists only because some people gain from it, namely those who possess land, hold the priesthood, and so on. Caste disabilities persist in spite of legislation and - in many places - mass conversion as to Buddhism. The root cause is abysmally low economic status of the lowest castes, and their total lack of opportunity. Neither legislation, nor conversion, nor schoolroom education can remove this. The sole possible cure is more efficient production and distribution of the product in a manner equitable for all; most people call this socialism. But equality on paper and the adult franchise will not be enough, when politicians can use caste for vote-catching and distribution of patronage.

To make an allied but smaller point: Most economists see no future for India without birth control. The national income and production are not rising at a faster rate than the population, so that the net gain is virtually nil. But why do people want children in a poor country? The usual answer is, 'superstition'. A son is essential so that the parents may go to heaven and be given the annual oblation to keep them there. Silly ~~ix~~ as this is, it contains an ancient historical truth. Archaeology tells us that it was a tremendous and extremely rare achievement in the older stone age for any human being to reach the age of forty years. Food production instead of food-gathering made it possible for a substantial number of people to live longer.

This only meant that some people lived to an age where they could no longer fend for themselves and had to be fed by others as in childhood. The offering to the manes(pinda) is simply an extension of this practice, when the ancestors have entered upon the long sleep of the grave.

If, now, birth control were by some miracle enforced, it would mean that every person who reached a certain age and physical condition would have no one to feed him in the present social set up. Children are necessary precisely because Indian parents have no other means of subsistence in old age. Insurance, savings, landed property, pensions or other means of income would not suffice, at a guess, for as much as 5% of the population. So, the birth control expert is in fact asking people to starve to death in old age so that some other people will be better off. Most of us are not likely to listen to the argument. Where food was very scarce, e.g., in Rajasthan till the last century, a dreadful form of population control was effected by female infanticide. Today, population control will be successful only if people are convinced that there would be enough for them to live on in their old age even if they have no children. The real stupidity lies, with the 'planners' who try to regulate the total numbers of the people by theory without assurance of a reasonable livelihood for the people in existence. The experts who talks of epidemic and famine as natural checks upon the 'population explosion' himself runs to consult the doctor the moment

Lederberg's
argument.

he has a fever; and never goes without a full meal if he
can help it. There/^{are} modern superstitions in the guide of
science, quite as deadly as those of religion.

The need is less for reform or even the abolition
of religious superstition than for basic changes which
can only be described as revolutionary. Unfortunately,
it is possible to have a revolution without its promised
benefits, but never the benefits without a revolution.
This brings us to such dangerous ground that it is better
to stop here rather than go on to section 4.

OUR HYDERABAD

by
Tulsidas R. Baggi
(Regional Research Laboratory, Hyd.)

The city of Hyderabad owes its existence to Sultan Mohammed Quli Qutub Shah who founded this city about the year 1591.

In the days of Bahmani Kingdom (one of the five Southern Kingdoms 1347 A.D.-1485 A.D.) Golconda was the headquarters of the provincial Governor, which is situated nearly five miles to the west of city of Hyderabad. During the days of downfall of Bahmani Kingdom, Sultan Quli, a Persian by birth, was the Governor of Telengana and his headquarters was Golconda. He was knighted as Qutubulmulk in 1493 A.D. In the year 1495 Golconda, Warangal and their neighbouring districts were given to him as gift (Jagir) in recognition of his meritorious and faithful services to the Bahmani Kingdom. He made Golconda as his headquarters and named it Mohammed Nagar. When Bahmani Kingdom saw its downfall in 1518 A.D., he declared his independence.

From 1524 A.D.-1543 A.D. Sultan Quli was ruling over Golconda. During his reign he conquered some of the neighbouring provinces and repaired the fort of Golconda and made it a very strong fort. Out of many buildings which he built, a mosque named "Jumma Masjid" still stands in good condition near the Golconda fort. In the year 1543 he was killed and his son Jamsheed Quli succeeded him who could rule only for seven years because he died in 1550 A.D. For sometime his son Subhan Quli was the king but he could not continue due to local revolts and was, therefore, removed from the throne and the younger brother of Jamsheed Quli, Ibrahim Quli was made the king (1550 A.D.). Among the constructions of his days, the most important ones, Hussain Sagar Tank, Purana-pul (old bridge), the tank of Ibrahim Patan and the Ibrahim Patan village are noteworthy.

Hussain Sagar Tank now joining the twin cities of Hyderabad and Secunderabad was built in 1562 A.D. by the son-in-law of Ibrahim Qutub Shah, Hazrat Hussain Shah Wali. For this huge work it took nearly 2 lakhs "Hones" (equivalent to about Rs. 9 lakhs). In 1882 the dam was damaged at many places, but was subsequently repaired and the present beautiful road was constructed. The sunset on this tank viewed from this road has been sometimes compared with the sunset of Naples or of Constantinople or of Budapest.

Purana-pul (Old Bridge) was constructed in 1578 A.D. The legend goes that Ibrahim Qutub Shah's son Mohammed Quli used to go to meet his beloved Bhaganati who lived in a village called Chachlam (the present Shah Ali Bunda) after crossing the Moosi River. As there was no bridge on the river, thinking that it might endanger the life of the prince Mohammed Quli, Ibrahim Qutub Shah built this bridge. In the year 1820 this bridge was destroyed due to floods but was rebuilt immediately. This bridge has twenty two arches.

Ibrahim Qutub Shah died in 1580 A.D. After his death his son Mohammed Quli the founder of city of Hyderabad became the King. As Golconda had increased very much in population in the village of his beloved i.e. Chachlam (present Shah Ali Bunda) situated two miles south of Moosi River, the present city of Hyderabad came into being.

While laying out the plans for the city of Hyderabad the first work which Mohammed Quli Qutub Shah undertook was the construction of "Charminar", meaning four minarets. There is a difference of opinion about the purpose of this building. Some are of the opinion that this was built as a school and some others believe that this was a part of palace. The real purpose of the building appears that it was built in memory of Imam Hussain, the grandson of Prophet Mohammed. This place was taken to be the centre of the city. The construction of the building was completed in the year 1591 at a cost of 2 lakhs "Hones" (equivalent to Rs. 9 lakhs). The completion of this building in the year 1591 A.D. marks the origin of the city of Hyderabad.

The quadrangular building of Charminar has four arches each 24' long and 30' wide. Its minarets are 80' from the uppermost storey of the building and 160' high from the ground. In the regime of Bahadur Dil Khan, one of the minarets had collapsed due to lightning but was reconstructed with an expenditure

of about Rs. 60,000. In 1824, during the reign of the Nizam the IV, Nasirud-Dowla, again this building was repaired with an expenditure of Rs. 1 lakh. In the year 1889 clocks were put on the four sides of the building. In the days of Qutub Shahs this building had a religious school and an inn at its top floor.

Mohammed Quli Qutub Shah built grand palaces and offices near the Charminar (i.e. from the place where now High Court and the Maternity Hospital are situated, to Charminar) and all of them together were known as "Daulat Khana-i-Aali", but all of them have been destroyed except the four arches near the Charminar. The palace of Quli Qutub Shah was known as "Khudadad Mahal" which had eight storeies. This palace burnt away in the days of Vth Qutub Shah (about 1611 A.D.-1625 A.D.).

"Jame Masjid", the oldest mosque of Hyderabad was built by Mohammed Quli near Charminar in 1597 A.D. at a cost of Rs. 2 lakhs.

South of the Charminar is the "Mecca Masjid", an impressive edifice with four minarets and two domes. The construction of this was started by Sultan Mohammed Qutub Shah in 1617 A.D. For this work 8000 labourers were employed daily and it was completed after 77 years. This mosque is one of the biggest mosques of South India and can accommodate 10,000 worshippers at a time. This magnificent building is 225' long, 180' wide and 75' high. Some additions were made in the mosque in the 17th century. It is said that 30 lakhs "Hones" (equivalent to Rs. 1.5 crores) were spent on this work. In the days of Qutub Shahs every day 36 maunds (2880 pounds) of food was being served to poor people. In this mosque all the Nizams were buried.

The "Naubat Pahad", near the Fateh Maidan, is a hill about 300' high which was used as a holiday resort in the days of Mohammed Quli Qutub Shah. In those days there was a garden on this hill top. It is said that the Moghal orders, proclamations etc., were given to public from this place so it is known as "Naubat Pahad", equivalent to "Trumpet Hill".

After the downfall of Qutub Shahi dynasty in 1687 A.D., Hyderabad lost its status as a capital. It was merely a province headquarters. This city was surrounded by a fort wall constructed in 1712 A.D. There were 13 big gates and 13 small gates in this wall. In those days the capital of Nizam I was Aurangabad. During the reign of Nizam II, about the year 1761 A.D., the capital was shifted from Aurangabad to Hyderabad. During the 44 years of his reign (1761 A.D.-1804 A.D.), Nizam Ali Khan (Nizam II) made many improvements in the city. During his reign Britishers came to Hyderabad and a Resident was appointed here. The Residency was built in 1806 for the Resident (where the present Women's College is situated). During the reign of Nizam II many of the nobles of his court built many magnificent palaces, out of which the palaces built by Paigah Nobles, Malwala (ancestors of Shiv Raj Bahadur), Mir Alam etc., are worth seeing.

After the death of Nizam Ali Khan (Nizam II) in 1804 A.D. his son Sikander Jah became the king. His Chief Minister, Mir Alam, made lots of additions to the buildings of Hyderabad. He built a tank known as "Mir Alam Tank" at a cost of Rs. 22 lakhs. It is said that most of the wealth got in the IVth Mysore War (1806) was spent on this. The first water supply by pipes to the city of Hyderabad was started from this tank. This tank has special architectural design.

The oldest church of Hyderabad was built in 1800 A.D. which is still there at 'Badi Chavdi', a locality of central part of the present city.

After the death of Mir Alam, the Chief Minister, Munirul-Mulk became the Chief Minister. He worked from 1808-1832 A.D. In those days Raja Chandulal was the Chief Secretary to the Nizam and he had a great influence. He had built a palace called "Chandulal Baradari" at a cost of twelve lakhs of rupees which has been destroyed and now in the same place recently an Industrial Estate has been established. Raja Chandulal was responsible for developing the city of Hyderabad by building roads and buildings etc. Later on Raja Chandulal became the Chief Minister.

The Moosi River has four bridges over it which connect the old city of Hyderabad with the new city. The part of the city situated on the right bank of the river is called Old City. The 'Chaderghat' bridge was built in 1891 A.D. at a cost of Rs. 85,000. In the great flood of 1908 this bridge was completely damaged and was again built with an expenditure of Rs. 2,25,000. The 'Naya Pul'

or New Bridge was constructed in 1859 A.D. in the days of Afzalud Dowla (Nizam V). This bridge was also broken in the flood of 1908 and was reconstructed. The third bridge on the Moosi River is known as "Muslim Jung Bridge" which was built in 1900 A.D. The fourth bridge known as Purana Tul has already been dealt with.

From 1843 A.D. to 1853 A.D. there were lots of changes. Many Chief Ministers were changed. At last Sirajul Mulk was the Chief Minister from 1848 A.D.-1853. When Nizam III, Sikandar Jah, died in 1829 A.D. his son Nasirud Dowla succeeded the throne. He ruled from 1829 A.D. to 1857 A.D. When the Chief Minister Sirajul Mulk died in 1853, his nephew Salar Jung I became the Chief Minister. The English education had begun till this time. About the year 1885 A.D. St. George's Grammar School was established.

Salar Jung I held his office for nearly thirty years, i.e., from 1853 A.D.-1883 A.D. He was the Chief Minister under three successive Nizams (i.e., Nasirud Dowla, Afzalud Dowla and Nawab Mir Mahboob Ali Khan). During his days many reforms were made in the State. In 1874 A.D. Hyderabad was connected by Railway from Sholapur. Many buildings, schools and market places etc., were built in his days.

After the death of Salar Jung I in 1883, his son Layaq Ali (Salar Jung II) became the Chief Minister. He was Chief Minister only for a short period of four years. After him, Asman Jah and Viqarul Umra became the Chief Minister, one after the other. During their regime a palace was built at Saifabad where the present Secretariat is housed.

Falaknuma Palace ranks as one of the best Indian palaces. This palace was built by the Chief Minister Viqarul Umra in 1884. This was completed after eight years. Four lakhs rupees were spent on the construction, decoration etc. Nizam purchased this palace in the year 1896 A.D. for Rs. 20 lakhs. Nizam VI, Nawab Mir Mahboob Ali Khan used to live in this palace in the last days of his life. This palace is situated to the south of Hyderabad on a lofty hill from where the view of Hyderabad city is very panoramic. It is said that in the Qutub Shahi period there was a palace called 'Koh-e-Noor' at this place.

From the beginning of 20th century Hyderabad city gained much importance and grew in length and breadth. During the last fifty years many reforms were done adding to the beauty of the city. Some of the additions of recent times made by the present Nizam (Nizam VII) are worth mentioning:

- (1) Town Hall (2) Durbar Hall (3) Osmania University (4) High Court
- (5) City College (6) Unani Hospital (7) State Central Library
- (8) Public Gardens (9) Gandipet (Osman Sagar) (10) Himayyet Sagar
- (11) Osmania Hospital.

After the independence of India, the city of Hyderabad did not ~~lose~~ lose its importance. It is the capital of the Andhra Pradesh State. Many additions were made to this city after the formation of Andhra Pradesh. Qidwai Cottage, Rajinder Nagar, Zoological Park etc., are built after the formation of Andhra Pradesh. The Hyderabad city is the fifth largest city in India, with a population of 14 lakhs (including Secunderabad). This city is growing rapidly and it is also becoming an important industrial city.

THE FORT OF GOLCONDA

by

Prof. S. Hanumanth Rao

According to a legend, the place where the fort of Golconda stands was pointed out to the king by a shepherd, who guided him to it through the wood and the king called it Golconda, from Golla, the Telugu word for shepherd.

It was one of the hill forts, belonging to the kings of Warangal in the 14th century. In 1363 it was surrendered to the Muslim King, Mohammed Shah Bahmani. In 1493 Sultan Quli, who came from Persia and gained the favour of Mohammed Shah, was made the Governor of Telengana (now Andhra Pradesh). He replaced the mud fort by a substantial fortress of stone, encircling it with walls and bastions. Several palaces were also built within the fort.

In 1512 Sultan Quli became independent, with the titles Qutub-ul-Mulk. He was killed while saying prayers in the Jamī Masjid in the fort, built by Sultan Quli. He introduced the customs of Persia at his court among which was that of beating the Naubat or the Imperial Band five times daily. His buildings mark the evolution of a new style of architecture - the Qutub Shahi style which is a mixture of the Persian Hindu and Pathan styles.

The elevation of this fort is 400 feet and the circumference of the fort which is 4 miles contains 87 semicircular bastions, 50 to 60 feet high. Blocks of granite, some weighing a ton each were used in the walls. The fort contains 8 huge gates - 1. Fateh Gate, so called because Emperor Aurangzeb's forces entered the fort through this gate (Fateh = Victory), 2. Makka Gate, so called because it faces the city of Mecca. The gate is a massive structure and consists of 2 gateways and an extensive court with guard rooms between them. The gates are made of Teakwood studded with iron wrought in fanciful devices and huge sharp pointed iron knobs which were intended to prevent elephants breaking them in.

The Banjara Gate and Jamal Gate and others are closed. Outside the ramparts of the fort there exists a trench 50 ft. wide.

Inside the Fateh Gate, may be seen the ruins of royal palaces, mosques, bazars, arsenals, gunpowder magazines, Ramadas's cell of confinement, cultivated fields, water tanks. In times of danger, the major portion of the population of the city used to be accommodated inside the fort.

The Mecca Gate contains a long inscription, 46' 2" long and 1' 6½" wide, dated A.D. 1559. In 1642, one of the officers, Khairat Khan, built a granary, Ambar Khana. In 1666 one of the bastions was repaired. Musa Burj. It has a bilingual inscription in Telugu and Persian, referring to the siege by Aurangzeb in 1656 and the repairs to the bastion in 1666-67 A.D.

The hall, on the top of the hill, is known as the Baradari. In one of its corners is a secret subterranean passage (now closed) to Gosha Mahal, a distance of 5 miles. Goshamahal is a lofty palace 15000 ft. square and 75 ft. high. In front of an extensive terrace there was a large reservoir (1365 ft. long and 1230 ft. wide and 12 ft. deep) resembling a tank whose brink was covered with flat stones and the water was supplied to this reservoir from the Husain Sagar Tank.

In 1628 the western wall of the fort was repaired in the reign of Abdulla Qutub Shah.

Standing in a stony plain and protected by a girdle of hills the sentinel fort has a striking and weird appearance. Rocking stones are scattered in abundance. In the midst is a hill 400 ft. high - Bala Hissar. In shape it is an irregular rhombus, surrounded by a glacis. The crenellated wall is of granite. In the North East, an addition was made in the 17th century by Abdullah Qutub Shah, known as the Naya Qila. There are thus 3 forts, one within the other. On some of the towers, we see even now, cannon mounted, with inscriptions on them.

Golconda was famous all over the world in the 16th century for its diamonds. Most of the famous historic diamonds such as the Hope, the Kohinoor, the Pitt or Regent and the Nizam Diamonds are traced to the mines of Andhra Pradesh. The chief diamond area was along the north bank of the River Krishna, near Bezwada.

26th November, 1963.

Dr. P.M. Bhargava,
Regional Research Laboratory,
Hyderabad 9,
India.

Dear Pushpa,

I have now looked into travel plans, and it seems as if I might manage it, though I should like to leave Hyderabad on the evening of 22nd January. Unfortunately I have to go to Princeton before I go to California, so I should have to come to Hyderabad direct from England, and then go on across the Pacific to Princeton. I have looked into all the fares involved, and if you could provide £400 for my travel expenses I could manage it. This seems an awful lot but it is in fact rather less than you offered to pay in your last letter. Would you let me know how you feel about this? I am making plane reservations so that I can arrive at Hyderabad in good time for the beginning of the meeting.

Yours sincerely,

F. H. C. Crick



Dr. P.M. Bhargava

Telephone: 72117

Telegram: Research

REGIONAL RESEARCH LABORATORY
HYDERABAD-9

No. SYM-24.3.2/63-SCI/42304

23 NOV 1963

Dr. F.H.C. Crick, F.R.S.
Medical Research Council
Laboratory of Molecular Biology
University Postgraduate Medical School
Hills Road
Cambridge
U.S.A.

Dear Francis:

Thank you for your letter of 18th November, 1963. We are delighted to note that it may still be possible for you to be with us next January and I shall look forward to a confirmation from you.

I can understand your aversion to submitting manuscripts! We would not ask you to submit one. However (although I would not make it obligatory for you!) if you can attend, it would be very nice if you would send me an abstract (as short as you may like it to be) indicating what you would like to talk about at the symposium. We thought it would be useful to circulate this information to the intending participants and observers two to three weeks ahead of the symposium.

Could I please also have a passport size photograph of yours? We plan to bring out at the time of the symposium, a brochure which in addition to the abstracts and other information about the symposium would contain a short biographical sketch and a photograph of the invited participants.

Hoping that you can be with us and with best wishes,

Yours sincerely,

P.M. Bhargava

(P.M. Bhargava)

P.S. Thanks for offering to give the popular lecture and to preside over one of the sessions. Would you please let me have the title of your lecture, or would "Structure and Function of Deoxyribonucleic Acid" be alright?

18th November, 1963.

Dr. P.M. Bhargava,
Regional Research Laboratory,
Hyderabad 9,
INDIA.

Dear Pushpa,

I was very touched by your last letter. It will not be easy for me to come, but I am looking into the possibility more closely, and will let you know as soon as I can. If I do come I would be prepared to be chairman of one session, and also to give one of the evening lectures, but I would not be prepared to submit a manuscript.

It is very nice of you to make such efforts to have me with you and I will do my best to come if it can possibly be arranged.

Yours sincerely,

F. H. C. Crick



Telephone: 72117

Telegram: Research

REGIONAL RESEARCH LABORATORY

HYDERABAD-9

No. SYM-24.3.2/63-SCI/ 40222

Dr. P.M. Bhargava

-6 NOV 1963

Dear Francis,

I have just received your letter of 29th October, 1963, in which you have written that you will not be able to attend the symposium on Nucleic Acids scheduled to be held here next January. I cannot tell you how disappointed I am and how much your absence is going to be felt by the participants, particularly those from India. I hate to insist (and be a pest!), but if the dates of your visit to Princeton do not overlap with those of the symposium, wouldn't you consider coming to India after your lectures at Princeton and then to go to La Jolla from here? We shall be glad to take care of all the extra expenses involved in this trip, *i.e.*, of the visit to India from Princeton and the return trip to La Jolla from India, by any routes you may choose. You could leave the United States on the 14th January and return to California on the 24th January. We would not insist on your staying here for the whole duration of the symposium and you could get back to California even earlier. Even if such a trip is possible, I know it will be very inconvenient for you, but I am taking the liberty of making this suggestion since I am convinced that your inspiring presence at the symposium would be of invaluable help in achieving the objectives that we set before us while organising the symposium. This is just about the first international scientific meeting in the area of biochemistry or molecular biology being organised in the country. As you may be aware, leave aside molecular biology and related fields, even biochemistry in this country is in its infancy. One of the main objectives of this symposium is to help cultivate an appreciation of the recent advances in biochemistry, molecular biology and related fields amongst workers in India, and stimulate research in the very important field of nucleic acids. Since your own contributions have laid the foundation of much of the progress in this area during the last so many years, and since you have a broad-based interest in science and its application, your presence in the symposium will be of tremendous benefit to the cause of biochemistry and molecular biology in this country, in fact to an extent which may be perhaps difficult for you to assess!

I, therefore, hope that you will understand the reason behind what might sound an unwarranted insistence on my behalf. If you are by any chance able to come we would be most delighted to have you; our invitation is still open. But if it is really impossible, I will understand your difficulty and would look forward to another occasion

...p/2

-2-

of a visit from you.

With best wishes,

Yours sincerely,

P. M. Bhargava

(P.M. Bhargava)

Dr. F.H.C. Crick, F.R.S.
Medical Research Council,
Laboratory of Molecular Biology,
University Postgraduate Medical School,
Hills Road,
Cambridge,
U.K.

PP/CR/E/1/12/1

REGD. OFFICE
30, RAMPART ROW, FORT, BOMBAY-1

CABLE: TRAVEL
PHONES: 43741, 43742 & 42610

Tradewings
(PRIVATE) LTD.

TRAVEL AGENTS
RECOGNISED BY THE
GOVERNMENT OF INDIA

POST BOX 175: ABID RD
HYDERABAD - 1

RRL: 6794

November 5, 1963.

Dr. F.H.C. Crick, F.R.S.,
Medical Research Council,
Laboratory of Molecular Biology,
University Postgraduate Medical School,
Hills Road, CAMBRIDGE.

Dear Sir,

Re: SYMPOSIUM ON NUCLEIC ACIDS

We are very happy to learn that you will be attending the above Symposium to be held at Regional Research Laboratories, Hyderabad from 16-23 January, 1964 as a delegate. As Official Travel Agents for the above Symposium we deem it a privilege to invite and welcome you to India. We are also extremely happy to inform you that during your stay here, you will be the guest of Council of Scientific & Industrial Research and the travel expenses for your journey from your Country to India and back will also be borne by the above Organisation. On hearing from you the departure from your Country, we shall make arrangements to send the air tickets to you.

To enable us to make your sojourn at other places in India as comfortable as possible, we request you to kindly let us know your exact requirements about the Hotel reservations, sightseeing arrangements, transportation within India etc., etc., as early as possible. To give you a brief idea we give below a few important points:-

a) Western style hotels exist in almost every important town or city in India and the charges would vary anything from about \$.8 to \$.12 per single room and about \$.11 to \$.15 per double room. Quite a few of the Hotels have airconditioned rooms also and ~~that~~ the charges for this would be about \$.2 to \$.3 extra per day. During the month of January the weather generally all over India will be excellent and that is the tourist season period also. In view of this we would be happy if you can kindly intimate to us immediately the Hotel reservations which you would require to enable us to hold them on a definite basis from now on to avoid any last minute difficulty for you.

b) Although most of the places in India are linked by Air services, the services operating are limited in number and hence it is equally important to advise us the local transportation arrangements also which you require to enable us to get the required reservations.

c) If you could kindly let us know the probable duration of your stay before or after the Conference, we can work out a suitable

Contd.....?...

LARGEST TRAVEL NETWORK IN INDIA
AIR, SEA, RAIL BOOKINGS-HOTELS-PASSPORTS-VISAS AND TRAVELLER'S CHEQUES-DOMESTIC AND FOREIGN TOURS-INSURANCE
Offices at BOMBAY, CALCUTTA, DELHI, MADRAS, POONA, BANGALORE, AHMEDABAD & ASSOCIATES THROUGHOUT THE WORLD

:-- 2 --:

itinerary for you and make all the sightseeing arrangements throughout the country. It will not be out of place for us to mention that we are the largest Travel Net Work in India and we are one of the sponsors of the well known tourist organization, "TRAVEL CORPORATION (INDIA) PRIVATE LTD.", (TCI). With the help of our Offices and also our sister concern TCI, we will be able to make all the necessary arrangements for your sightseeing at a very economical price. We now await to receive your instructions in this matter.

During your stay in India should you desire to meet any Indian Scientists, please let us know when we can make necessary arrangements.

Should you require any further particulars or assistance in making your travel arrangements, please do not hesitate to write to us or in the alternative, you can contact our Agents in UK whose address is given below and they will be only too happy to be of assistance to you.

M/s. Poly Travel Ltd.,
73/77, Oxford St.,
LONDON.
Phone:- 6979 (Gerrad)
Cable:- "POLYTRAV"

Thanking you and assuring you of our best services at all times,

Very truly yours,
For TRADE WINGS PVT.LTD.,

G. L. Narasimham
G.L.Narasimham
for MANAGER



Dr. P.M. Bhargava

Telephone: 72117

Telegram: Research

**REGIONAL RESEARCH LABORATORY
HYDERABAD-9**

No. SYM-24.3.2/63-SCI/ **38665**

29 OCT 1963

Dr. F.H.C. Crick, F.R.S.,
Medical Research Council,
Laboratory of Molecular Biology,
University Postgraduate Medical School,
Hills Road,
Cambridge,
U.K.

Dear Francis,

I am writing further to my letter of 16th July, 1963, regarding the symposium on Nucleic Acids scheduled to be held here next January.

You would have, in the meantime received a circular which gives further information about the symposium. We are very keen that you attend and I am looking forward to receiving a confirmation from you. Your participation in the symposium will mean a great deal to us and help considerably in fulfilling the objectives we set before us when we decided to organise this meeting.

In case you are able to attend the symposium, as we hope you will, I should like to make two requests. Firstly, we would appreciate if you will agree to preside over one of the sessions on the Structure of DNA. The exact timings of the various sessions and the abstracts of the papers to be presented during each session will be sent to the Chairmen ahead of time.

Secondly, we should like you very much to give a popular lecture during the course of your visit. Following suggestions received from many quarters in the city, we have decided to arrange three one-hour popular lectures during the symposium week on certain aspects of nucleic acids. These lectures will be held in the evening - one each on the 17th, 20th and 21st January, 1964. I am extending the invitation to you to give one of these lectures on behalf of the Organizing Committee of the Symposium and several scientific organisations in the city who wish to sponsor these lectures jointly with this laboratory, and I sincerely hope you will accept. We should personally like you to speak on "Structure and Function of DNA", but please feel free to choose any other topic.

The popular lectures will be held at Ravindra Bharathi, a modern theatre hall constructed recently in Hyderabad to commemorate the birth centenary of Ravindranath Tagore. The hall has a seating capacity of 800 and we have no doubt that the hall will be full to capacity at these lectures. The audience will consist of University students and staff from various faculties (science, medicine, agriculture, veterinary science, etc.)

...p/2



Telephone: 72117

Telegram: Research

REGIONAL RESEARCH LABORATORY
HYDERABAD-9

-:2:-

and other enlightened members of the public who have a general interest in science. The staff of this laboratory and of several other institutions in the city entirely devoted to research will, of course, be also present at these lectures. The object of these lectures is to create a basic awareness of the extremely important role of Nucleic Acids in biological mechanisms, and towards this end I have no doubt your talk will contribute a great deal. Arrangements will be made for projection of any material that you may wish; we should however like to request you to communicate to us ahead of time your requirements in this connection.

I am giving on an attached sheet the names of invited participants who have already confirmed that they will be able to participate in the symposium. As we indicated in the circular which was recently sent to you, the symposium will be attended by 50 observers from some 30 institutions in India, in addition to about 45 invited participants we expect from India and abroad.

With best wishes,

Yours sincerely,

Pushpa

(P.M. Bhargava)

Enc: One.

Dr. W. Zillig, Munchen, W. Germany.
Dr. H.G. Zachau, Koln-Lindenthal, W. Germany.
Dr. Francois Gros, Paris, France.
Prof. G. Schramm, Tubingen, W. Germany.
Prof. J.A.V. Butler, London, U.K.
Dr. M.R. Pollock, London, U.K.
Dr. J.L. Sirlin, Edinburgh, U.K.
Dr. Seymour Benzer, Lafayette, Indiana, U.S.A.
Dr. G.L. Cantoni, Bethesda, Maryland, U.S.A.
Dr. Charles Heidelberger, Madison, Wisconsin, U.S.A.
Dr. David M. Prescott, Oak Ridge, Tennessee, U.S.A.
Dr. Maxine F. Singer, Bethesda, Maryland, U.S.A.
Dr. Paul Doty, Cambridge, Mass., U.S.A.
Dr. Aaron Novick, Eugene, Oregon, U.S.A.
Dr. R. Monier, Marseille, France.
Dr. G. Siddiqi, Bombay, India.
Dr. A. Sreenivasan, Mysore, India.
Dr. A.T. Natarajan, New Delhi, India.
Dr. G.P. Talwar, New Delhi, India.
Dr. D.P. Burma, Calcutta, India.
Dr. J.J. Ghosh, Calcutta, India.
Dr. (Mrs.) Maharani Burma, Calcutta, India.
Dr. B.B. Misra, Calcutta, India.
Dr. M.M. Dhar, Lucknow, India.
Dr. P.M. Bhargava, Hyderabad, India.
Dr. N.K. Sarkar, Chandigarh, Punjab.

29th October, 1963.

Dr. P.M. Bhargava,
Regional Research Laboratory,
Hyderabad 9,
INDIA.

Dear Pushpa,

I am very sorry to tell you that I won't be able to come to your symposium on Nucleic Acids after all. I have to give some lectures at Princeton and I had hoped to be able to arrange them after my visit to California, in which case I might have been able to come and see you on the way. Unfortunately this has not proved possible and I shall have to go to Princeton first. I am particularly sorry after reading the facinating description of Hyderabad which you have just sent me, but perhaps I can come to see you some other time on my way to the United States.

I hope the symposium is a great success and apologise once again for not being able to be with you.

With best wishes,

Yours sincerely,

F. H. C. Crick

SYMPOSIUM ON NUCLEIC ACIDS

REGIONAL RESEARCH LABORATORY, HYDERABAD-9, INDIA

16-23 January, 1963

1. PROGRAMME

The proposed symposium is held in the laboratory on January 16, 17, 18, 20, 21 and 22. The days Monday, the 16th and Thursday, the 20th January will be devoted to sight-seeing and excursions. The six days of discussion are expected to be divided as follows:

To

Dr. F.H.C. Crick, F.R.S.,

Medical Research Council,

Laboratory of Molecular Biology,

University Postgraduate Medical School, Hills Road,

Cambridge,

U.K.

There will be two 1-hour sessions on each of the six days. From 9 to 11 in the morning and from 2 to 5 in the afternoon with a short coffee break during each. A total of approximately 40 minutes (25 minutes for presentation and 15 minutes for discussion) will be allowed for each paper. There will be a 15-minute break between the two sessions on each day.

THIS circular letter gives further information about the Symposium on 'Nucleic Acids (Structure, Biosynthesis and Function)' scheduled to be held in this Laboratory in January 1964. We are looking forward to your attendance at the Symposium as an invited participant/observer who, we expect, would be in a position to present a paper and make valuable contribution to the discussions. Your attention is particularly drawn to sections 5 (submission of your Abstract), 6 (submission of your full paper), 9 (your travel arrangements), 11 (intimation of the date of your arrival) and 15 (submission of your biographical sketch).

1. SPONSORS

The Symposium is sponsored by the Regional Research Laboratory, Hyderabad, under the auspices of the Council of Scientific & Industrial Research (CSIR), New Delhi.

The CSIR was founded during the last world war and is an autonomous body administering and controlling about 30 constituent laboratories devoted to various disciplines. Dr. S. Husain Zaheer is its Director-General.

The Regional Research Laboratory at Hyderabad is one in the chain of the National Laboratories. Unlike most CSIR laboratories, each of which works in a specialised field of science and technology, the programme of this laboratory is mainly directed towards utilisation of the agricultural and mineral resources of the surrounding region. Its functions also include development of and assistance to the existing industries and formulation of plans for new enterprises. Andhra Pradesh State, in which the Laboratory is located, is rich in vegetable oils, coal and various types of clays and minerals and the major part of the research programme of the Laboratory is centred round these. Though the work is broadly developmental or applied, fundamental research is actively fostered and encouraged in several divisions, for example, in Biochemistry. Dr. G. S. Sidhu is the head of this Institution.

SYMPOSIUM ON NUCLEIC ACIDS

REGIONAL RESEARCH LABORATORY, HYDERABAD, INDIA
16-23 January, 1964

2. DATES

The Symposium will be held for 8 days, from January 16 to 23, 1964, both days inclusive.

3. PROGRAMME

It is proposed tentatively to hold scientific sessions on January 16, 17, 18, 20, 21 and 22. Two days (Sunday, the 19th, and Thursday, the 23rd January) will be devoted to sight-seeing and excursions. The six days of discussions are expected to be divided as follows:

Day & Date	Subjects
Thursday, January 16	Structure of DNA
Friday, " 17	Synthesis of DNA
Saturday, " 18	Biological role of DNA
Monday, " 20	Structure of RNA
Tuesday, " 21	Biosynthesis of RNA
Wednesday, " 22	Biological role of RNA

There will be two 3-hour sessions on each of the six days, from 9 to 12 in the morning and from 2 to 5 in the afternoon, with a short coffee break during each. A total of approximately 40 minutes (25 minutes for presentation and 15 minutes for discussion) will be allowed for each paper. Thus eight papers will be presented each day, allowing a maximum of 48 papers in all.

On two or three evenings, 45-minute popular talks are being arranged. Social functions may occupy some of the other evenings.

4. PARTICIPATION IN THE SYMPOSIUM

Approximately 45 invited scientists, of which nearly 30 will be from countries other than India, are expected to participate in the Symposium. In addition, approximately 50 observers from Indian institutions are expected to attend.

Presentation of papers will be only on invitation. It is expected that each invited scientist will present one paper. The observers may participate in the discussions. The list of the invited participants will be mailed to you in November.

5. ABSTRACTS

You are requested to forward two copies of the abstract of your paper to Dr. P. M. Bhargava, Regional Research Laboratory, Hyderabad-9, (India), so as to reach him not later than November 10, 1963. Authors are requested to conform to the format used in the Proceedings of the Biochemical Society. The abstracts will be printed and reach the participants well in advance.

6. FULL PAPERS

Your full paper should reach Dr. P. M. Bhargava before 31st December, 1963. Papers should be prepared as for the Symposia of the Fifth International Congress of Biochemistry. For journal abbreviations, however, the World List of Scientific Periodicals may be used.

5. DATES
The Symposium will be held for 8 days from January 16 to 23, 1968, with days inclusive.

6. PROGRAMME
It is proposed tentatively to hold scientific sessions on January 16, 17, 18, 20, 21 and 22. Two days (Monday, the 19th and Tuesday, the 23rd) will be devoted to sight-seeing and recreation. The six days of discussion are expected to be divided as follows:

Day & Date	Subject
Thursday, January 16	Symposium of DNA
Friday, " 17	Symposium of DNA
Saturday, " 18	Biological role of DNA
Sunday, " 19	Symposium of RNA
Monday, " 20	Symposium of RNA
Tuesday, " 21	Biological role of RNA
Wednesday, " 22	Biological role of RNA

There will be two 3-hour sessions on each of the six days, from 9 to 12 in the morning and from 2 to 5 in the afternoon, with a short coffee break during each. A total of approximately 40 minutes (15 minutes for presentation and 25 minutes for discussion) will be allowed for each paper. (This eight papers will be presented each day, allowing a maximum of 48 papers in all.)

On one of these evenings, 45-minute popular talks will be being arranged. Social functions may occupy some of the other evenings.

7. PARTICIPATION IN THE SYMPOSIUM
Approximately 45 invited scientists, of which nearly 30 will be from countries other than India, are expected to participate in the Symposium. In addition, approximately 50 observers from Indian institutions are expected to attend.

Presentation of papers will be only on invitation. It is expected that each invited speaker will present one paper. The speakers may participate in the discussion. The list of the invited participants will be mailed to you in November.

8. ABSTRACTS
You are requested to forward two copies of the abstract of your paper to Dr. P. M. Bhargava, Regional Research Laboratory, Hyderabad, to be at least 100 words and not later than November 10, 1967. Abstracts are requested to conform to the format used in the proceedings of the International Congress. The abstracts will be printed and reach the participants well in advance.

9. FULL PAPERS
You will papers should reach Dr. P. M. Bhargava before the December 1967. Papers should be prepared as for the Symposium of the IUPAC International Congress of Biochemistry. For format and presentation, however, the World List of Biochemistry should be used.

7. PUBLICATION OF PROCEEDINGS

The CSIR will publish the proceedings of the Symposium within six months. Pergamon Press are the sole distributors of CSIR publications outside India.

8. DETAILED PROGRAMME

This will be handed over to the participants immediately on arrival in Hyderabad.

Your travel expenses will be taken care of by the sponsors of this Symposium who will also make your travel arrangements on hearing from you of your plans.

Symposium. Addresses of their India in Annexure 2.

Participants may find it convenient to correspond with the Travel Agents directly. However, we will be glad to make the travel arrangements if a participant so desires. An enquiry counter of the Travel Agents will operate at this Laboratory during the Symposium. Persons from outside India who wish to visit any institution of professional interest in any part of India may let us know; we will be glad to help them make the necessary arrangements for their visit.

10. RECEPTION

You are requested to intimate the date, time and mode of your arrival in Hyderabad to Dr. Bhargava. You will be met at the airport or the railway station. Telegrams may be sent to BHARGAVA, RESEARCH, HYDERABAD (INDIA). If in any difficulty after arriving early in the morning or late at night, you can ring the following for assistance:

Residence of:	Telephone No.
Dr. P. M. Bhargava	73998
Dr. K. T. Achaya	73316
Dr. G. S. Sidhu	73768

During the day the following laboratory telephones may be rung: 74789, 73606, 73328, 74269

11. ACCOMMODATION

Accommodation will be either at the RITZ HOTEL, or the PERCYS HOTEL, or the ROCK CASTLE HOTEL for the participants from outside India and at either the RITZ HOTEL or the TAJ MAHAL HOTELS (Indian, vegetarian food) for the invited participants and observers from India. We will look after accommodation and inform you in advance.

Invited participants and observers from India are requested to fill in the enclosed form (Annexure 3) and return it to Dr. P. M. Bhargava as soon as possible.

12. TRANSPORT

Transport will be arranged for all participants. Details will be provided on arrival.

1. DATES
The Symposium will be held for 8 days, from January 16 to 23, 1964, with days inclusive.

2. PROGRAMME
It is proposed tentatively to hold scientific sessions on January 16, 17, 18, 20, 21 and 22. Two days (Monday, the 19th, and Thursday, the 23rd January) will be devoted to registration and reported to be divided as follows:

Subject	Day
Structure of DNA	16
Structure of DNA	17
Biological role of DNA	18
Structure of RNA	20
Biological role of RNA	21
Structure of RNA	22

There will be two 3-hour sessions on each of the six days, from 9 to 12 in the morning and from 2 to 5 in the afternoon, with a short coffee break during each. A total of approximately 40 minutes (25 minutes for presentation and 15 minutes for discussion) will be allowed for each paper. (The eight papers will be presented each day, allowing a maximum of 48 papers in all.)

On two of these evenings, 45-minute popular talks are being arranged. Social functions may occupy some of the other evenings.

3. PARTICIPATION IN THE SYMPOSIUM
Approximately 45 invited scientists, of which nearly 30 will be from countries other than India, are expected to participate in the Symposium. In addition, approximately 30 observers from Indian institutions are expected to attend.

Presentation of papers will be by oral presentation. It is expected that each invited speaker will present one paper. The observers may participate in the discussion. The list of the invited participants will be mailed to you in November.

4. ABSTRACTS
You are requested to forward two copies of the abstracts of your paper to Dr. P. M. Bhargava, Research Laboratory, Hyderabad, India, so as to reach him by November 15, 1963. Abstracts are requested to conform to the format used in the Proceedings of the Biochemical Society. The abstracts will be printed and reach the participants well in advance.

5. FULL PAPERS
You will have about 1000 words for your paper. Dr. P. M. Bhargava, before the December, 1963, Report should be prepared for the Symposium. The full papers should be sent to the Secretary, Biochemical Society, Hyderabad, India, by January 10, 1964. The full papers will be printed and reach the participants well in advance.

7. PUBLICATION OF PROCEEDINGS

The CSIR will publish the proceedings of the Symposium within six months. Pergamon Press are the sole distributors of CSIR publications outside India.

8. DETAILED PROGRAMME

This will be handed over to the participants immediately on arrival in Hyderabad.

9. TRAVEL ARRANGEMENTS

Trade-Wings are the authorised travel agents for this Symposium. Addresses of their various offices in India are shown in Annexure 1 and outside India in Annexure 2.

Participants may find it convenient to correspond with the Travel Agents directly. However, we will be glad to make the travel arrangements if a participant so desires. An enquiry counter of the Travel Agents will operate at this Laboratory during the Symposium. Persons from outside India who wish to visit any institution of professional interest in any part of India may let us know; we will be glad to help them make the necessary arrangements for their visit.

10. RECEPTION

You are requested to intimate the date, time and mode of your arrival in Hyderabad to Dr. Bhargava. You will be met at the airport or the railway station. Telegrams may be sent to BHARGAVA, RESEARCH, HYDERABAD (INDIA). If in any difficulty after arriving early in the morning or late at night, you can ring the following for assistance:

Residence of:	Telephone No.
Dr. P. M. Bhargava	73998
Dr. K. T. Acharya	73316
Dr. G. S. Sidhu	73768

During the day the following laboratory telephones may be rung: 74789, 73606, 73328, 74269.

11. ACCOMMODATION

Accommodation will be either at the RITZ HOTEL, or the PERCYS HOTEL, or the ROCK CASTLE HOTEL for the participants from outside India and at either the RITZ HOTEL or the TAJ MAHAL HOTELS (Indian, vegetarian food) for the invited participants and observers from India. We will look after accommodation and inform you in advance.

Invited participants and observers from India are requested to fill in the enclosed form (Annexure 3) and return it to Dr. P. M. Bhargava as soon as possible.

12. TRANSPORT

Transport will be arranged for all participants. Details will be provided on arrival.

(iii) Hyderabad : Hyderabad (population 2 million) is the capital of the Andhra Pradesh State, and is the fifth largest city in India. Prior to integration with the Indian Union in 1948, it was the capital of Hyderabad State ruled by the Nizam. It is situated on the Deccan Plateau, one of the oldest geological areas of the world, and abounds in hills, rocks and natural lakes, many of them delightful picnic spots. The city is supplied with water from two large lakes retained by great dams. One of these lakes is in the heart of the city and a popular evening resort. The climate is agreeable with no extremes. January is a rainless month of cool breezes and bright sunshine throughout the day.

Hyderabad has several places of tourist interest. The Char Minar or Four Minarets (1591) rises from arches facing the cardinal points. It stands in the centre of the city with several streets radiating from the base and the bazars around it are extremely picturesque. There are nine fine palaces built by the various Nizams of the Asaf Jah dynasty. The principal educational establishment is the Osmania University, with its imposing buildings, situated in a vast campus very near the Laboratory. Housed in 72 rooms of an old palace replete with courtyards and grounds is the world-famous Salar Jung Museum, a splendid display of *objets d'art* collected by three nobles of a princely dynasty of Hyderabad.

(ii) Dress: In January, Southern India in general is pleasantly cool and summer clothing will suffice. The temperatures at Hyderabad are 83°F or 28°C (max.) and 58°F or 15°C (min.). Participants visiting New Delhi, Agra or Kashmir will need heavier woven clothing, perhaps even overcoats.

Please let us know if your wife will be accompanying you. A separate ladies' programme is being arranged.

Please send us a short biographical sketch (10 lines) and a photograph (passport size) for inclusion in a Brochure to be issued.

13. GENERAL INFORMATION

(i) Hyderabad: Hyderabad (population 2 million) is the capital of the Andhra Pradesh State, and is the fifth largest city in India. Prior to integration with the Indian Union in 1948, it was the capital of Hyderabad State ruled by the Nizam. It is situated on the Deccan Plateau, one of the oldest geological areas of the world, and abounds in hills, rocks and natural lakes, many of them delightful picnic spots. The city is supplied with water from two large lakes retained by great dams. One of these lakes is in the heart of the city and a popular evening resort. The climate is agreeable with no extremes. January is a rainless month of cool breezes and bright sunshine throughout the day.

Hyderabad has several places of tourist interest. The Char Minar or Four Minarets (1591) rises from arches facing the cardinal points. It stands in the centre of the city with four roads radiating from the base and the bazars around it are extremely picturesque. There are several fine palaces built by the various Nizams of the Asaf Jahi dynasty. The principal educational establishment is the Osmania University, with its imposing buildings, situated in a vast campus very near the Laboratory. Housed in 72 rooms of an old palace repete with courtyards and grounds is the world-famous Salim Jung Museum, a splendid display of objects that collected by three nobles of a princely dynasty of Hyderabad.

(ii) Dress: In January, Southern India in general is pleasantly cool and summer clothing will suffice. The temperatures at Hyderabad are 83°F or 28°C (max.) and 58°F or 15°C (min.). Participants visiting New Delhi, Agra or Kashmir will need heavier woolen clothing, perhaps even overcoats.

14. WIVES

Please let us know if your wife will be accompanying you. A separate ladies' programme is being arranged.

15. BIOGRAPHICAL SKETCH

Please send us a short biographical sketch (10 lines) and a photograph (passport size) for inclusion in a brochure to be issued.



Dr. P.M. Bhargava

Telephone: 72117

Telegram: Research

REGIONAL RESEARCH LABORATORY
HYDERABAD-9

No. SYM-24.3.2/63-SCI/17970

16 JUL 1963

Dear Francis,

Thank you very much for your letter of 4th July, 1963. I was very happy to note the possibility of your being able to attend the symposium on nucleic acids here next year, and I shall look forward to having a confirmation from you. There is no desperate hurry and please take your own time in finalising your plans.

If there is anything in particular which you should like me to do at this end in connection with your proposed visit if it comes through (as I hope it will), please do not hesitate to write. We shall, of course, be making the travel arrangements for your visit.

With best wishes,

Yours sincerely,

P. M. Bhargava

(P.M. Bhargava)

Dr. F.H.C. Crick, F.R.S.
Laboratory of Molecular Biology,
University Postgraduate Medical School,
Hills Road,
Cambridge,
U.K.

4th July, 1963.

Professor P. M. Bhargava,
Regional Research Laboratory,
Hyderabad 8,
India.

Dear Pushpa,

I have just returned from the States to find your letter of the 25th May. It is really very difficult for me to attend your symposium in India next year but it is perhaps not completely out of the question as I have to be in California shortly after that date and I may be able to arrange to come to you on the way there. However, I shall have to write to La Jolla to find out if this is practical before I can accept your invitation.

I do hope you will accept this further delay. I shall write again as soon as I have been able to complete my plans.

With best wishes,

Yours sincerely,

F. H. C. Crick

10th June, 1963.

Professor P. M. Bhargava,
Regional Research Laboratory,
Hyderabad 9,
India.

Dear Professor Bhargava,

I am afraid that Dr. Crick has gone to the States and is not planning to return to Cambridge until the beginning of July. He will be moving round so much that it is rather pointless me forwarding your letter to him. However, as soon as he is back I will show it to him.

Yours sincerely,

Secretary to
F. H. C. Crick



Dr. P.M. Bhargava

Telephone: 72117

Telegram: Research

**REGIONAL RESEARCH LABORATORY
HYDERABAD-9**

No. SYM-24.2/63-SCI/ **13619**

25 MAY 1963

Dear Francis,

Thank you for your letter of 24th April, 1963. We were disappointed to learn that you may not be able to attend the symposium on Nucleic Acids here. Wouldn't you really reconsider your decision? We are extremely keen on having you with us at this occasion. We have, on the whole, had a pretty good response from those whom we had invited and we have every hope it will be a good meeting with a fair number of participants from outside India. There is a possibility that we might put the symposium off by a few days and have it begin on 21st or 22nd January, instead of 16th January, 1964. These dates may suit you better. Please do give it a serious thought once again. You do owe this part of the world a visit soon.

I am glad to be able to write that in case you are able to attend the symposium, we shall be very glad to meet all the expenses (including the travel expenses to India and back by air) connected with your visit to attend the symposium. I, of course, realise that this may be at most a very minor consideration in your case, but it may be of some help and I do hope that if you are in a position to come you will accept our offer. Your visit to India to attend the symposium would not take you more than 10 days, and wouldn't you try to find this time?

Looking forward to your reply and with best wishes,

Yours sincerely,

Pushpa

(P.M. Bhargava)

Dr. F.H.C. Crick, F.R.S.
M.R.C. Laboratory for Molecular Biology
Hills Road
Cambridge
U.K.

Your Ref:
SYM-24.2/63-SCI/9009

24th April, 1963.

Dr. P. M. Bhargava,
Regional Research Laboratory,
Hyderabad-9,
India.

Dear Pushpa,

Thank you for your letter and your invitation. I should like to accept, but it is really quite impossible. I have already accepted too many engagements for next year as it is. I'm so sorry I can't manage it. It would be nice to visit India, and to see you, but I'm afraid it will have to wait a little while.

With best wishes for the success of your Symposium,

Yours sincerely,

F. H. C. Crick



Dr.P.M. Bhargava

Telephone: 72117

Telegram: Research

**REGIONAL RESEARCH LABORATORY
HYDERABAD-9**

No. SYM-24.2/63-SCI/ 9009.

- 8 APR 1963

Dear Dr. Crick,

We are proposing to hold a Symposium on "Nucleic Acids (Structure, Biosynthesis and Function)" in this Laboratory from 16th January to 22nd January, 1964. On behalf of the Organising Committee, I have great pleasure in inviting you to participate in the symposium. The object of the symposium, the topics of discussion and other organisational aspects of the symposium are briefly outlined in the enclosed circular.

As you will see from the circular, the main purpose of the symposium is to provide an opportunity for the Indian scientists to meet outstanding foreign scientists in the field of Nucleic Acids to exchange ideas on various aspects of the subject, and to stimulate greater interest among Indian scientists in this rapidly growing field. We have no doubt that your participation will be of immense help in achieving this objective.

Much as we would like to meet your expenses for attending the symposium, it may not be possible to do so particularly due to the rather difficult foreign exchange situation in this country. We, however, feel confident that it will be possible for you to obtain the necessary funds from sources in your country, which would enable you to participate in the symposium.

I shall be grateful if you will kindly let me know at an early date if you will be able to participate in the symposium.

With kind regards,

Yours sincerely,

P.M. Bhargava

(P.M. Bhargava)

Dr. F.H.C. Crick, F.R.S.
M.R.C. Laboratory for Molecular Biology
Hills Road
Cambridge
U.K.

P.S.

Francis, I shall be personally most happy to have you with us at this occasion and I sincerely hope you will make every effort to come, perhaps with your wife.

Regards to her.

Rustler

REGIONAL RESEARCH LABORATORY
(Council of Scientific and Industrial Research)
HYDERABAD, INDIA

S Y M P O S I U M

on

STRUCTURE, BIOSYNTHESIS AND FUNCTION OF NUCLEIC ACIDS

1. OBJECT

Nucleic acids represent one of the most important and widely investigated areas in biological sciences today. The studies on the structure, synthesis and function of nucleic acids have, in recent years, been responsible for some of the most exciting and important scientific findings of this century. Nucleic acids have provided an area of investigation in which persons trained in varied disciplines (e.g. chemistry, physics, biochemistry, biophysics, cytology, genetics, microbiology and other related biological sciences) could collaborate in making significant contributions to further knowledge in this field. In spite of the universally acclaimed present-day importance of this subject, very little work has been contributed in this field by Indian workers.

Contd:

The main objective of this symposium will be to bring together Indian workers and some outstanding scientists from other countries who have made important contributions in the field of nucleic acids and provide an opportunity for informal exchange of ideas among them in this rapidly developing field. It is hoped that this symposium would help stimulate investigations on nucleic acids in this country. The symposium will also provide an opportunity for workers from different parts of the world to get together and discuss the latest advances in this field.

2. SPONSORS AND VENUE

The symposium is being organised under the auspices of the Council of Scientific and Industrial Research (India) at the Regional Research Laboratory, Hyderabad, which is one of the constituent laboratories of the Council.

3. DATES

16-23 January 1964.

4. DURATION

8 days.

Contd:

5. PROGRAMME

It is proposed to hold scientific sessions on 16, 17, 18, 20, 21 and 22 January 1964. January 19, and 23 will be free days for sight-seeing and excursions.

The topics for discussion are:

- (i) Structure of RNA
- (ii) Synthesis of RNA
- (iii) Biological role of RNA
- (iv) Structure of DNA
- (v) Biosynthesis of DNA
- (vi) Biological role of DNA

The detailed programme will be communicated later when finalised.

6. PRESENTATION OF PAPERS

It is expected that about 50 invitees from India and abroad will attend the symposium and present papers. About 25-30 minutes will be allotted for presentation and 15-25 minutes for discussion.

7. SUBMISSION OF ABSTRACTS AND PAPERS

The Abstracts of the papers to be presented should reach Dr. P.M. Bhargava, Regional Research Laboratory, Hyderabad-9, India by 1st November, 1963,

Contd:

to be circulated in advance to intending participants. The full papers should reach Dr. Bhargava by 15th December 1963.

8. OTHER INFORMATION

A second circular giving the detailed programme, arrangements regarding hotel and travel reservations, excursions etc., will be sent at a subsequent date to intending participants.

Any enquiries pertaining to the symposium may be addressed to either Dr. P.M. Bhargava or Dr. G. Satyanarayana Rao, Regional Research Laboratory, Hyderabad-9 (India).

REGIONAL RESEARCH LABORATORY

(Council of Scientific and Industrial Research)

Hyderabad-9, India

Symposium on Nucleic Acids

16-23 January, 1964

List of Participants

1. Dr. R. Monier, Laboratoire de Chimie Biologique, Faculte des Science, Place Victor-Hugo, MARSEILLE, France.
2. Prof. G. Schramm, Max-Planck-Institut für Virusforschung, Biochemische Abteilung, Spemannstrasse 35, TUBINGEN, W. Germany.
3. Dr. M. G. Wittman, Max-Planck-Institut für Biologie, Corrensstrasse 41, TUBINGEN, W. Germany.
4. Dr. H. G. Zachau, Institut für Genetik der Universität zu Köln, Weyertal 115, KÖLN-LINDENTHAL, W. Germany.
5. Dr. W. Zillig, Max-Planck Institut für Biochemie, Goethestrasse 31, MUNCHEN, W. Germany.
6. Dr. Uriel Littauer, Weizmann Institute of Science, REHOVOTH, Israel.
7. Dr. A. Sibatani, Department of Biochemistry and Biophysics, Research Institute for Nuclear Medicine and Biology, Hiroshima University, Kasumi-Cho, HIROSHIMA, Japan.
8. Prof. J. A. V. Butler, F. R. S., Chester Beatty Research Institute, Institute of Cancer Research, Royal Cancer Hospital, Fulham Road, LONDON, S. W. 3, U. K.
9. Dr. F. H. C. Crick, F. R. S., Medical Research Council, Laboratory of Molecular Biology, University Postgraduate Medical School, Hills Road, CAMBRIDGE, U. K.
10. Dr. J. L. Sirlin, Institute of Animal Genetics, West Mains Road, EDINBURGH 9, U. K.
11. Dr. Richard Abrams, Montefiore Hospital, Institute of Research, 3459 Fifth Avenue, PITTSBURGH 13, Pennsylvania, U. S. A.
12. Dr. Seymour Benzer, Department of Biological Sciences, Purdue University, LAFAYETTE, Indiana, U. S. A.
13. Dr. E. S. Canellakis, Department of Pharmacology, School of Medicine, Yale University, NEW HAVEN, Connecticut, U. S. A.
14. Dr. G. L. Cantoni, Laboratory of Cellular Pharmacology, National Institute of Mental Health, BETHESDA 14, Maryland, U. S. A.
15. Dr. Melvin Cohn, The Salk Institute for Biological Studies, P. O. Box 9499, SAN DIEGO 9, California, U. S. A.
16. Dr. Charles Heidelberger, McArdle Memorial Laboratory for Cancer Research, The University of Wisconsin, The Medical School, MADISON 6, Wisconsin, U. S. A.

17. Dr. Alfred E. Mirsky, The Rockefeller Institute, NEW YORK 21, New York, U. S. A.
18. Dr. M. C. Niu, Temple University, PHILADELPHIA 32, Pa., U. S. A.
19. Dr. L. C. Niu, Temple University, PHILADELPHIA 32, Pa., U. S. A.
20. Dr. Aaron Novick, Institute of Molecular Biology, University of Oregon, EUGENE, Oregon, U. S. A.
21. Dr. (Mrs.) Maxine F. Singer, National Institutes of Health, Department of Health, Education and Welfare, BETHESDA 14, Maryland, U. S. A.
22. Dr. S. Spiegelman, Department of Microbiology, University of Illinois, 127 Burril Hall, URBANA, Illinois, U. S. A.
23. Dr. P. M. Bhargava, Regional Research Laboratory, HYDERABAD 9, India.
24. Dr. B. B. Biswas, Bose Institute, 93/1, Acharya Prafulla Chandra Road, CALCUTTA 9, India.
25. Dr. D. P. Burma, University Colleges of Science and Technology, 92, Acharya Prafulla Chandra Road, CALCUTTA 9, India.
26. Dr. M. M. Dhar, Central Drug Research Institute, Chatter Manzil Palace, LUCKNOW, India.
27. Dr. V. M. Doctor, Hindustan Antibiotics Ltd., PIMPRI, Near Poona, India.
28. Dr. J. J. Ghosh, Department of Biochemistry, University Colleges of Science and Technology, 92, Acharya Prafulla Chandra Road, CALCUTTA 9, India.
29. Dr. (Mrs.) Maharani Burma, Bose Institute, 93/1, Acharya Prafulla Chandra Road, CALCUTTA 9, India.
30. Dr. A. T. Natarajan, Department of Botany, Indian Agricultural Research Institute, Pusa, NEW DELHI, India.
31. Dr. M. B. Sahasrabudhe, Biology Division, Atomic Energy Establishment, 5th floor, Richardson-Cruddas Building, Byculla, BOMBAY, India.
32. Dr. N. K. Sarkar, Department of Biochemistry, Post-Graduate Institute of Medical Sciences, CHANDIGARH, Punjab, India.
33. Prof. P. S. Sarma, Department of Biochemistry, Indian Institute of Science, BANGALORE 12, India.
34. Dr. O. Siddiqi, Tata Institute of Fundamental Research, Colaba, BOMBAY, India.
35. Dr. A. Sreenivasan, Central Food & Technological Research Institute, Cheluvamba Mansion, Mysore 2, India.
36. Dr. G. P. Talwar, Department of Biochemistry, All India Institute of Medical Sciences, Ansari Nagar, NEW DELHI 16, India.

REGIONAL RESEARCH LABORATORY

(Council of Scientific and Industrial Research)

Hyderabad-9, India

Symposium on Nucleic Acids

16-23 January, 1964

List of Observers

ALIGARH (UTTAR PRADESH) : ALIGARH MUSLIM UNIVERSITY (BIOCHEMISTRY AND CHEMISTRY DEPARTMENTS)

- 1 Dr. Intisar Husain
- 2 Dr. A. M. Siddiqi

BANGALORE : INDIAN INSTITUTE OF SCIENCE (BIOCHEMISTRY DEPARTMENT)

- 3 Mr. B. S. Baliga
- 4 Dr. D. S. R. Sarma
- 5 Dr. (Miss) S. Rajalakshmi
- 6 Dr. Ravindra Nath

BANGALORE :

- 7 Prof. M. Sreenivasaya

BARODA (GUJERAT) : MEDICAL COLLEGE

- 8 Dr. M. L. Pai

BOMBAY : ATOMIC ENERGY ESTABLISHMENT TROMBAY (BIOLOGY DIVISION)

- 9 Dr. M. S. Chadha
- 10 Dr. G. B. Nadkarni
- 11 Dr. J. M. Noronha
- 12 Dr. G. P. Kalle

BOMBAY : HAFKINE INSTITUTE

- 13 Dr. K. Ganapathi
- 14 Dr. S. Srinivas Rao
- 15 Dr. S. B. Ambegaokar
- 16 Mr. G. P. Kamat

BOMBAY : INDIAN CANCER RESEARCH CENTRE

- 17 Dr. C. V. Bapat
- 18 Dr. B. P. Gothoskar
- 19 Dr. U. V. Wagh
- 20 Mr. S. S. Ranade

BOMBAY : T. N. MEDICAL COLLEGE

- 21 Mrs. Leela Mahadeo Joshi

BOMBAY :

- 22 Dr. S. R. Vyas

CALCUTTA : BENGAL VETERINARY COLLEGE (BIOCHEMISTRY SECTION)

23 Dr. R. K. Datta

CALCUTTA : BOSE INSTITUTE

24 Mr. K. L. Chaudhuri
25 Mrs. Susweta Biswas
26 Mr. C. Majumdar
27 Mr. U. S. Maitra

CALCUTTA : CHITTARANJAN NATIONAL CANCER RESEARCH CENTRE

28 Dr. R. K. Neogy

CALCUTTA : INDIAN STATISTICAL INSTITUTE

29 Mr. R. L. Brahmachary

CALCUTTA : SAHA INSTITUTE OF NUCLEAR PHYSICS

30 Dr. R. K. Poddar
31 Mr. P. K. Ganguli

CALCUTTA : UNIVERSITY COLLEGES OF SCIENCE AND TECHNOLOGY (BIOCHEMISTRY DEPARTMENT)

32 Miss Suchandra Roy
33 Miss Krishna Sikdar
34 Miss Swati Ghosh

CUTTACK (ORISSA) : S. C. B. MEDICAL COLLEGE

35 Dr. N. C. Panda

NEW DELHI : ALL INDIA INSTITUTE OF MEDICAL SCIENCES (BIOCHEMISTRY DEPARTMENT)

36 Mr. S. L. Gupta
37 Mr. Mohammed Mansoor
38 Dr. J. K. Nandi
39 Mr. C. N. Srinivasan
40 Dr. S. N. Kakar

NEW DELHI : INDIAN AGRICULTURAL RESEARCH INSTITUTE (DIVISION OF SOIL SCIENCE AND AGRICULTURAL CHEMISTRY, AND DIVISION OF AGRICULTURAL PHYSICS)

41 Dr. N. B. Das
42 Dr. A. R. Deb

NEW DELHI : INSTITUTE OF NUCLEAR MEDICINE AND ALLIED SCIENCES

43 Dr. K. P. Chakraborty

NEW DELHI : NATIONAL PHYSICAL LABORATORY

44 Dr. D. Sen

NEW DELHI : UNIVERSITY OF DELHI (DEPARTMENT OF ZOOLOGY)

45 Dr. C. M. S. Dass

GUNTUR (ANDHRA PRADESH) : GUNTUR MEDICAL COLLEGE (DEPARTMENT OF BIOCHEMISTRY)

46 Dr. B. Naganna

HYDERABAD : NUTRITION RESEARCH LABORATORIES

- 47 Dr. P. G. Tulpule
- 48 Dr. B. S. Narasinga Rao

HYDERABAD : OSMANIA MEDICAL COLLEGE (DEPARTMENT OF BIOCHEMISTRY)

- 49 Dr. B. Sadasivudu

HYDERABAD : OSMANIA UNIVERSITY (DEPARTMENT OF BOTANY)

- 50 Dr. Mohammed Hashim
- 51 Dr. Jafer Nizam
- 52 Dr. K. V. N. Rao

HYDERABAD : REGIONAL RESEARCH LABORATORY

- 53 Dr. B. Bheemeswar
- 54 Dr. M. S. Narasinga Rao
- 55 Dr. Shantoo Gurnani
- 56 Dr. G. C. Shrivastava
- 57 Dr. P. T. Iype
- 58 Mr. S. V. S. Kashmiri
- 59 Mr. S. T. Jacob
- 60 Miss Kamalini Bhargava
- 61 Mr. G. Shanmugam
- 62 Mr. D. G. Takte
- 63 Mr. A. M. Reddy
- 64 Miss Layeeq Fazlullah
- 65 Miss J. Kusuma
- 66 Mr. R. R. Reddy

INDORE (MADHYA PRADESH) : M. G. M. MEDICAL COLLEGE

- 67 Dr. J. C. Gupta

KURNOOL (ANDHRA PRADESH) : MEDICAL COLLEGE (DEPARTMENT OF PHYSIOLOGY)

- 68 Mr. V. V. Subba Rao

KOTTAYAM (KERALA) : MEDICAL COLLEGE

- 69 Dr. G. Y. Iyer

LUCKNOW : CENTRAL DRUG RESEARCH INSTITUTE

- 70 Mr. K. L. Agarwal

MADRAS : MADRAS UNIVERSITY (DEPARTMENT OF BIOCHEMISTRY)

- 71 Dr. E. R. B. Shanmugasundaram

MYSORE : CENTRAL FOOD TECHNOLOGICAL RESEARCH INSTITUTE

- 72 Dr. D. S. Pradhan
- 73 Miss N. S. Giri ja

PANTNAGAR (DISTRICT NAINITAL, UTTAR PRADESH) : U. P. AGRICULTURAL UNIVERSITY
(SCHOOL OF BASIC SCIENCES AND HUMANITIES)

- 74 Dr. K. G. Gollakota
- 75 Dr. Ram Narayan

PONDICHERRY : MEDICAL COLLEGE (DEPARTMENT OF PHYSIOLOGY AND BIOCHEMISTRY)

- 76 Dr. S. K. Lal
- 77 Dr. K. Subrahmanyam

POONA : NATIONAL CHEMICAL LABORATORY (BIOCHEMISTRY DIVISION)

78 Dr. P. N. Rangachari

POONA : UNIVERSITY OF POONA (DEPARTMENT OF CHEMISTRY)

79 Dr. P. N. Joshi

80 Dr. (Mrs.) Sudha Joshi

ROORKEE : UNIVERSITY OF ROORKEE (DEPARTMENT OF CHEMISTRY)

81 Dr. Wahid Uddin Malik

VALLABH-VIDYANAGAR AND ANAND (GUJERAT) : SARDAR VALLABHBHAI VIDYAPEETH
(B.A. COLLEGE OF AGRICULTURE AND R.P.T.P. SCIENCE COLLEGE)

82 Dr. H. A. Joshi

83 Dr. R. J. Patel

VARANASI (UTTAR PRADESH) : BANARAS HINDU UNIVERSITY (DEPARTMENT OF BIOCHEMISTRY
AND BIOPHYSICS)

84 Dr. A. Guha

85 Miss Krishna Dhar

VELLORE (SOUTH INDIA) : CHRISTIAN MEDICAL COLLEGE HOSPITAL

86 Dr. B. K. Bachhawat

87 Dr. A. N. Radhakrishnan

VISAKHAPATNAM (ANDHRA PRADESH) : ANDHRA MEDICAL COLLEGE
(DEPARTMENT OF BIOCHEMISTRY)

88 Dr. A. V. S. S. Rama Rao

WALTAIR (ANDHRA PRADESH) : ANDHRA UNIVERSITY (DEPARTMENT OF ZOOLOGY)

89 Dr. M. V. Narasimha Rao

WARANGAL (ANDHRA PRADESH) : KAKATIYA MEDICAL COLLEGE

90 Dr. K. R. Venkiah

KALAMAZOO (MICHIGAN), U.S.A. : UPJOHN & CO.

91 Dr. Bijoy K. Bhuyan



DRS. LENGYEL, HEIDELBERGER, RICH, ZACHAU



DRS. SIDDIQI, CRICK, GAREN.



DRS. SIDDIQI, GAREN, CRICK.



DRS. GAREN, NOVICK, SIDDIQI



DR. & MRS. R. MONIER.



DR. G. SCHRAMM.



DR. A. SIBATANI



DR. F. H. CRICK DR. S. BENZER.



DR. P.N. JOSHI

DR. A.E. MIRSKY.



DR. S. HUSSAIN. ZAHER.

DIRECTOR - GENERAL.
COUNCIL, SCIENTIFIC, IND.
RESEARCH



DR. G. SCHRAMM
&
DR. A.E. MIRSKY.



DR. W. ZILLIG. DR. M. SINGER DR. P. LENGYEL

昭和三十三年
一月二十七日
第...号

This Week in **TOKYO**



JAN.
27
1964

Where to go—what to do...also outside Tokyo ¥100

Always the Best in Good Food



The Imperial Hotel spares no expense in bringing to its guests the ultimate in dining luxury. In the United States, pancakes have become an all-hours treat in recent years. This has been due in large measure to the International House of Pancakes collection of exotic pancake recipes from around the world.

So the Imperial Hotel takes pride in offering the International House of Pancakes menu in the Garden Bar.

Choose from one of the many intriguing pancakes on the menu: Buttermilk, Texas Buckwheat, Cheese Blintzes, French, Silver Dollar, German, Hungarian Palacsinta, Strawberry International and Apple. It will be an adventure in good eating.



IMPERIAL HOTEL Tokyo

Telephone: 591-3141, 3151. T. Inumaru, President & General Manager



When you see it: you'll Love it

No other camera offers so many features in one camera

Fully automatic operation

Even film-advancing! Just aim and click, and quality pictures are always yours.

Economical photography

Its half-frame format lets you obtain twice as many exposures. It is perfect for expensive color photography.

Smallest in size

As large as a pack of cigarettes! Slip it into your pocket as your traveling companion.

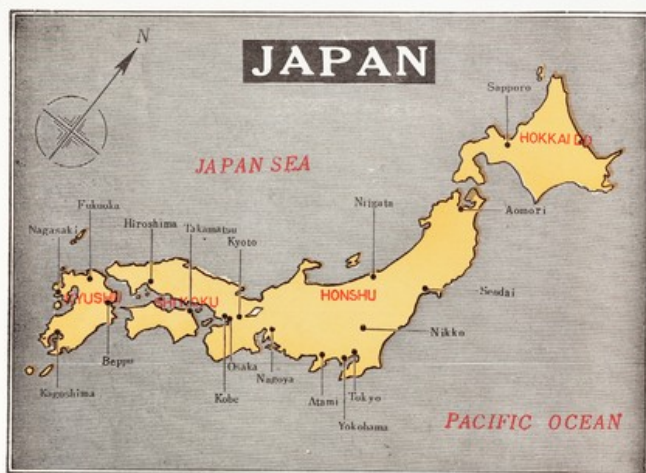
RICOH AUTO HALF

ZONE FOCUS

★ Tax-free price: Only ¥12,371 ★

RICOH

RICOH CO., LTD. GINZA, TOKYO, JAPAN



The only twin-lens reflex camera in the world provided with a full set of interchangeable lenses, this versatile professional grade camera makes the best possible use of large negative size for photography of highest precision and quality. Change of lenses is simple, easy and rapid. Film can be loaded without removal from tripod or stand. Small and light enough for easy portability and hand-held work. This advanced camera is a delight for experienced professionals and advanced amateurs who demand the best.

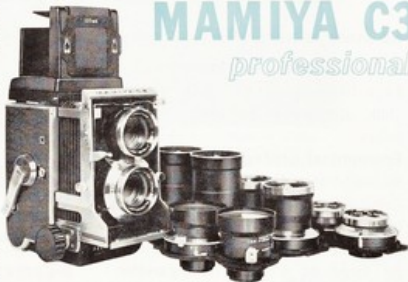
Acknowledged MAMIYA 16 EEE leader of 16-millimeter cameras



This superb pocket camera is the latest creation of MAMIYA, the originator of the matchbox size for popular use. Incorporating a neutral density filter for extended range of EE automatic control of exposure, the MAMIYA 16 EEE de luxe has all the features offered by standard 35-millimeter miniature cameras, plus many more.

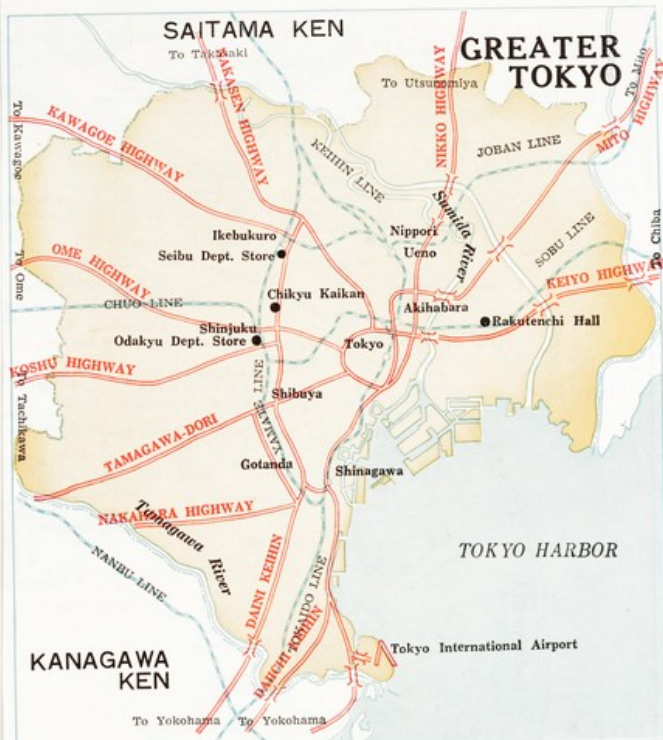
WORLD'S FINEST TWIN-LENS REFLEX, SUPREME BEST FOR COLOR PHOTOGRAPHY

MAMIYA C3
professional



MAMIYA CAMERA CO., LTD.

No. 7, 1-chome, Hongo, Bunkyo-ku, Tokyo, Japan



ASKING DIRECTIONS

Is this the way to Ginza?
Which is the way to...?
Is it far from here?
Go straight ahead.
Turn to your left (right).

Exit *Deguchi*
Train *Kisha*

Entrance *Iriguchi*
Automobile *Jidosha*

Ginza e iku no wa kono michi desuka?
... e yuku michi wa dochira desuka?
Toi desuka?
Massugu ni ikinasai.
Hidari (migi) e magari nasai.

Streetcar *To-den*
Station *Eki*

AKASAKA Aoyama

●Hotel Honjin

Shinjuku Gyoen

SENDAGAYA STA.

Tokyo Metropolitan Gymnasium

SHINANOMACHI STA.

National Stadium

Meiji Gallery

Jingu Stadium

Tokyo Bowling Center

●Ichio

Aoyama Dori

Italian Gardens

Yanagawa

Hotel Yamato

Roppongi

Chaco

Rosier

Getz Bros.

Rengaya

U.S. Embassy

Hotel Okura

Japan Sword

Sakura Co.

Tokyo Tower

Zojoji Temple

Matsushita Electric

Crescent

Shiba Park Hotel

Peking Mansion

●Hotel New Japan

New Latin Quarter

Hanabasha

National Diet Bldg.

Sanno Hotel

●Tokyo Hilton Hotel

●Tokyo Grand Hotel

Tameike

Papagayo

Toranomon Sakurada-Dori

Hibiya Library

Fukoku Bldg.

N.H.K.

Hibiya Hall

Yie Lai Shian

Takara Kimono

Yotsuya 3-chome

Yotsuya

Sotobori-Dor

YOTSUYA STA.

San Banchō Hotel

Fairmont Hotel

Akasaka Detached Palace

Diamond Hotel

British Embassy

Akasaka Prince Hotel

Hotel Toshi Center

Hotel New Japan

New Latin Quarter

Hanabasha

Miyakezaka

●Hotel Honjin

Mansei

Yasukuni Shrine

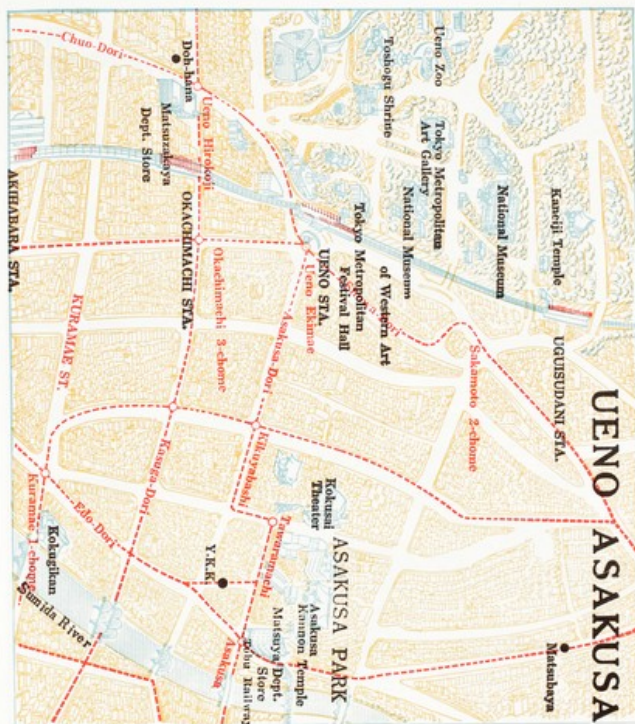
DON'T MISS

Superb cuisine
2 gala shows
nightly

WORLD FAMOUS
THEATRE RESTAURANT

Mikado

AKASAKA - TOKYO Call 481-7101



Liu Yuan—Superb Chinese Restaurant

■ Authentic Chinese cuisine prepared by 20 famous chefs from Peking, Shanghai, Foochow, Szechwan and Canton. ■ Beautiful decor of palatial magnificence which is unrivaled elsewhere.

Open daily from 11:30 a.m. to 11:30 p.m.

 Liu Yuan

5-9 Shiba Park, Minato-ku, (in the vicinity of Tokyo Tower), Tokyo. Tel. 581-6221/7. 港区芝公園・留園

**MARUNOUCHI
NIHOMBASHI**

BARGAIN
Discount 20 - 40%

TAX FREE FOR TOURISTS

Authorized Money Changer

**MIURA'S
CAMERA SHOP**

2nd Floor
Marunouchi Bldg. (Old)
Tel: 212-1616

Direction for Taxi Driver:
三浦カメラショップ 2 階 / 旧丸ビル

It's the *Garuda* JET

CONVAIR 990A

IN ASIAN SKIES



Twice each week

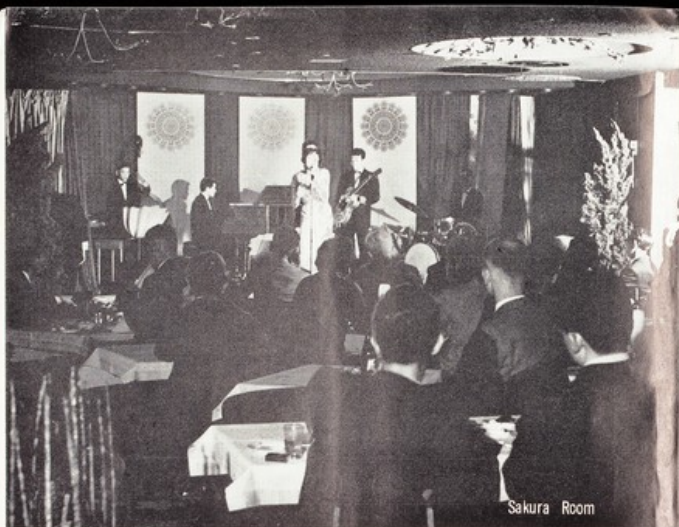


CONVAIR 990A "The Fastest Jetliner"

● TOKYO ■ HONGKONG ■ BANGKOK ■ DJAKARTA ■

The Start of Your Indonesian Holiday

Garuda
INDONESIAN AIRWAYS
Phone: 502-0628/9



Sakura Room

A touch of Japan in the relaxingly delightful atmosphere!

the Sakura Room

Tokyo's Top Nite Spot!

Featuring delicious Tempura, Yakitori, etc.
Plus These THREE EXTRAS!

- * Live Combo-6 to 11 p.m.
- * Special Floor shows
-Friday Nite 8:30-10 p.m.
- * No Cover-No Minimum

Tokyo

Marunouchi
HOTEL

Tel 231-0271

This Week in **TOKYO**

THIS WEEK'S COVER: BIG SISTER joins youngsters in kite-flying, traditional after the holidays.
Design by Kazuo Kamimura.

FEATURES:

Gagaku: Ancient Court Music 4

JANUARY

27

VOLUME 11 NO. 4 (531)

TONOSUKE OHTA, EDITOR & PUBLISHER: THIS WEEK IN TOKYO is published every Monday by This Week in Tokyo Company, Sone Bldg., 2, 6-chome, Ginza-Nishi, Chuoku, Tokyo. Address all correspondence to P.O. Box 364, Kyobashi, Tokyo. Tel 571-1181, 2266, 4392, 7584. Price ¥100 per copy. Subscription rates: Japan ¥4,500, Overseas ¥5,220 (\$14.50) per year. Copyright 1964 by This Week in Tokyo Co. Printed in Japan.

○ DEPARTMENTS

Around the Town	80
Events of This Week	16
Ginza Gulch	10
Moshi Moshi . . . Anone	11
This Week's Calendar	15

○ INFORMATION

Airlines	72
Banks	69
Diplomatic Corps	72
Hotels	41
Hotels Outside Tokyo	86
Night Clubs	36
Points of Interest	52
Restaurants	21
Shipping	74
Shopping	48
Sightseeing	76
Trains	74
Travel Tips	79

OVERSEAS AGENTS: Hawaiian Magazine Distributors, 222 Koula Street, Honolulu; Ryukyu Advertising Company, Naha, CPO Box 82, Okinawa; Taiyo Trading Company, 1866 Post Street, San Francisco, California.

SEE YOU AT THE OLYMPICS

3



GAGAKU:

Ancient Court Music

ONE of the world's oldest court music and dance is preserved, protected and patronized by the Japanese Imperial Palace. Its unique music and stately dance, known as Gagaku, remains unchanged and is performed as it was 1,400 to 1,500 years ago.

It blends and retains the ancient music and dance of several civilizations consisting of India, China, Korea, Central Asia and Japan. The costumes, instruments, dance, song, atmosphere and color, in fact the entire makeup, is a breathtaking pageant of yesterday.

Gagaku, whose musicians and dancers have a lineage that dates back 1,500 years, was first introduced to Japan in the 7th century. Prince Shotoku is generally credited with encouraging Gagaku which included the importation of Chinese and Korean musicians.

After the civil wars in Japan of the 15th and 16th centuries both Oda Nobunaga and Toyotomi Hideyoshi spared no efforts to preserve Gagaku by setting up Gagaku centers in Kyoto, Nara and Shitennoji (Osaka). These were transferred to Imperial Palace in Tokyo when the ancient capital in Kyoto was moved to Tokyo in 1867. The move also marked the beginning of the palace music department. Gagaku was designated a national treasure and protected by law in 1950.

Today, besides Gagaku dance and music performed by members of the palace music department four to five

times a year, including one for the general public, other Gagaku performances are held at the Ise Grand Shrine in Ise, the Kasuga Shrine in Nara, the Itsukushima Shrine in Miyajima, and the Shitennoji Temple in Osaka.

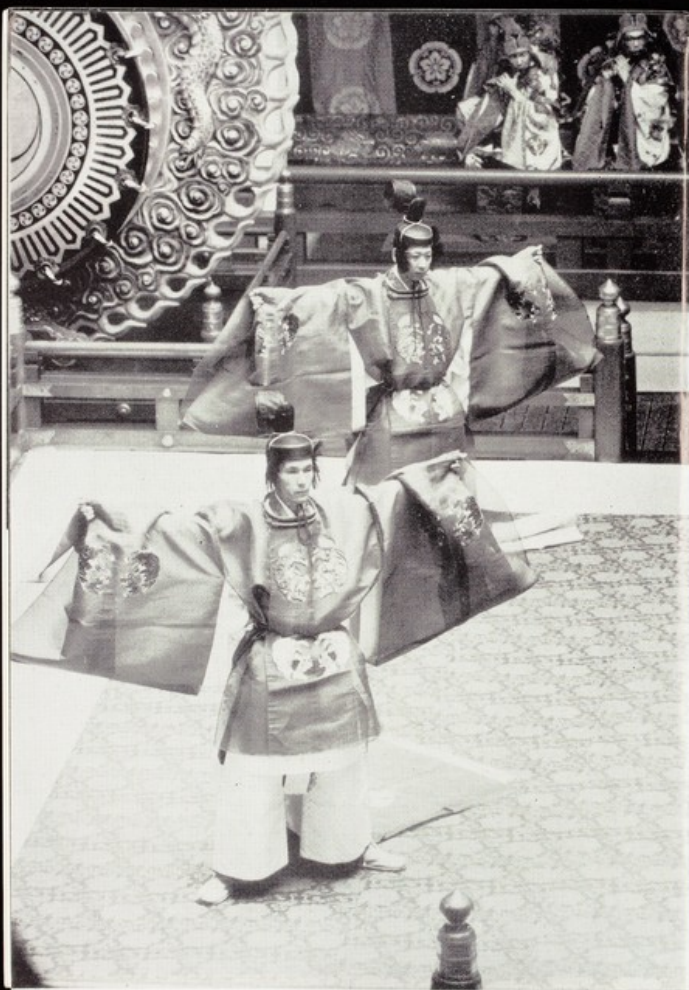
Musical instruments, which are as old as the music itself, consist of such wind instruments as the "fue" or flute, "sho," an oboe-like instrument with 17 bamboo tubes placed upright, and "hichiriki," a nine-holed clarinet-like instrument. The string instruments include the "koto," "biwa" or four-stringed lute, and "wagon," Japanese lute with six strings. Rounding out the instruments are several kinds of drums such as "kakko," "taiko," and "shoko," and bells.

At present out of 144 musical numbers, Gagaku artists master 88 and learn 56 Gagaku dances. For anyone to become a full-fledged Gagaku artist, it would take him at least 10 years of conscientious endeavor. Gagaku members of the Imperial Household Agency are also proficient today in Western music and always play compositions by Beethoven, Bach, Mozart and others at palace functions for the Emperor and Empress.

GAGAKU members of the Imperial Household Agency's Music Department are musicians whose lineage date back 1,500 years. Gagaku is now shown to the public once every autumn and is specially popular with foreign visitors (opposite page).



SEE YOU AT THE OLYMPICS



REHEARSALS are held daily for Gagaku members, who are all Imperial Household Agency personnel. They give four to five performances annually at palace functions (above). Rehearsals consist of 56 dances, and learning 88 out of 144 numbers played on various Gagaku instruments. It takes at least 10 years to become a full-fledged Gagaku artist (opposite page).

SEE YOU AT THE OLYMPICS

By tradition Gagaku performers for generations have come from among the families of the three Gagaku centers originally founded in Kyoto, Nara and Shitennoji. These include the Oono, Yamanoi, Bunnoo and Abe of Kyoto, the Tsuji, Ue,

GAGAKU orchestra consists of "sho," "hi-chiriki," flutes, lutes, kotos, and bells and drums (below). "Gagaku musicians have a tradition to honor," says orchestra leader Sukeyoshi Abe. "It is our duty to preserve and pass on Gagaku to the next generation at its traditional best" (right).



Oku, Kubo, Higashi, Shiba of Nara, and Sono, Hayashi, Oka, and Tchi of Shitennoji.

Although well preserved for centuries, it wasn't until postwar that the general public was given a chance to listen to and watch Gagaku performances.

GAGAKU musicians, who are also experts with western musical instruments, play chamber music at all palace functions (below).



GINZA GULCH



By Dave Jampel

COLUMBIA RECORDS prez Goddard Lieberson in last week to launch negotiations for a new pact with Nippon Columbia, its franchise holder. Lieberson said he'll probably return in November for the opening of Nippon Columbia's new building, which will include studio facilities . . . Close to conclusion is a deal for the Duke Ellington Orch to play here . . . Of the 267 foreign films released here last year, 146 came from the U.S., 45 from France, 38 from Italy and 18 from Britain. Ninety-seven of the imports were sent directly into general release. Thirty-eight of the total were re-issues . . . Paramount's Japan manager Shozaburo Sashe resigned, creating still another change in the lineup of execs here with the U.S. film companies . . . Bob Eunson is the author of a Signet paperback now in the stalls called "Trial at Odawara," which is loosely based on the ill-famed Girard Case. The book has some deft touches and could be worked into a movie script. Tokyo-based Eunson is Associated Press director of Asia services . . .



ELLA FITZGERALD

WHILE Ella Fitzgerald naturally broke it up at her Sunday night Hibiya Hall concert, there were a bunch of Japanese swingers, including Sleepy Matsumoto, George Kawaguchi and Hachidai Nakamura, jamming with trumpet man Roy Eldridge. Miss Fitzgerald brought the proceedings to a climax by doing "S Wonderful" in Japanese from a fistful of notes. After three curtain calls, she begged off with the inevitable "Mack the Knife." The concert was taped by Nippon Columbia for an "Ella in Japan" album . . . American film offices in Japan will be plagued anew with union problems come spring. The recently-formed National Foreign Film Labor Union has lined up a number of increased demands for March . . .

THE announced withdrawal of 3,500 U.S. Air Force personnel and 2,000 dependents from Japan is not expected to have a significant effect on military club bookings, according to several promoters of foreign talent. They point out that there will be plenty of Yank servicemen in Japan and other Far Eastern locations and that bookings on the circuit are mainly for weekends, which are not much of a problem for decent acts . . . Of 369 Japanese and 271 foreign features screened by the self-censorship EIRIN last year, 37 domestic pictures and 25 imports were designated For Adults Only . . . Columbia's Japan billings climbed over ¥100,000,000 for the first time in calendar 1962. The figure puts the company in third place, behind United Artists and 20th Century-Fox, in earnings by U.S. filmeries here . . .

Moshi Moshi . . . Anone

HERE in this column every week, the unusual and interesting happenings are presented in simple, understandable form for the benefit of foreign visitors and residents in Japan.

More Women Police for Olympics

THIRTY additional policewomen are to be added to the Tokyo Metropolitan Police Force for the Olympic Games. Their duties are to be guards in and around the women's section of the Olympic Village.

There were 780 applicants for the 30 jobs. Requirements were that they be at least 5 feet tall and have completed senior high school. Basic starting pay is ¥16,600, the same as starting pay for the men.

After the Olympics the policewomen will be assigned to routine duties looking after runways and women criminals.

There are now 183 policewomen on the Tokyo Police Force.

Fewer Eggs When It's Noisy

POULTRY farmer Yoshihiko Okuno demanded redress from the municipal authorities of Mino-o in Osaka Prefecture. It seems that since Mino-o started building last May a new city hall adjacent to the chicken farm, Okuno's chickens have laid fewer eggs. Perhaps it is a stand-up strike. To compound the trouble, the eggs are coming out with thinner shells.

Two investigations by stock-breeding experts of the Osaka Prefectural Government resulted in the municipal authorities rejecting Okuno's demand for redress.

Okuno claims that the investigations were made by nonexperts, naturally.

Olympic Coins Proposed

THE Tokyo Olympic Organizing Committee (TOOC) recently approved a proposal to mint silver coins of ¥500 denomination that would bear the five-ring Olympic emblem. The proposal called for the minting of ¥10,000 million worth of coins.

The minting of an Olympic coin will mark the first time that Japan has minted a commemorative coin since the currency system was established in 708 AD, and the second time in the history of the Olympics that a special coin commemorating the games has been minted. The Finnish Government issued coins of 500 markkaa denomination (equivalent to about ¥550) to mark the 1952 Helsinki Olympics.

Due to a silver shortage in Japan, the Finance Ministry looks with disfavor on minting coins that would be taken out of the country by foreign visitors.

The Olympic committee, however, unanimously agreed to press the government to enact the needed legislation for minting the coins.

Multi-language Telephone Directory

ABOUT 150,000 copies of a special telephone directory in English, French, and Japanese will be issued by the Telegraph and Telephone Corporation on August 1 for the convenience of overseas Olympic visitors. Measuring 6 by 8 inches, the directory will contain 200 pages.



GREYHOUND INTERNATIONAL executives are surveying the potential market in Japan prior to the lifting of travel restrictions in April. They anticipate organizing tours of the United States and provide other services to Japanese tourists. (Left to right) J. Paul, Looper, General Manager-Orient, Greyhound International (Japan), and George M. Phillips, Director-International Sales, Western Greyhound Lines, and Kazuo Takiguchi, Tokyo Manager, Greyhound International (Japan).

Africa In Japan

FROM May 5 the animals will run wild at the Tama Natural Zoo in western Tokyo. Visitors will be conducted in buses through the 25,920 square yard site which will be divided into three sections—one each for lions and chimpanzees, and the other to be shared by giraffes, ostriches, zebras, and cranes.

Begun in December 1961, the work on the area has been interrupted several times.

Separated from the other animals by high walls, 20 lions will roam through their open pasture. Buses carrying 20 passengers will tour through the pasture.

An animal trainer will travel on each bus to ward off the lions if the vehicle stalls.

Stage Awards Announced

MISS Isuzu Yamada was named Year's Best Actress while Shoroku Onoe and Jukichi Uno shared the Best Actor award. "My Fair Lady" was unanimous choice as they's outstanding stage presentation.

The Theatron Award, established in 1955 by Tokyo drama critics, is considered one of the outstanding honors in this country.

Christian Flag Cultural Asset

THE Cultural Property Protection Commission designated a 17th century Christian battle flag as an important cultural asset.

Under the Cultural Assets Law, any item designated as an important cultural asset cannot be taken out of the country to be sold. Rumors that the owner considered selling the flag to an American museum for about \$100,000 prompted the Commission's action. If the flag is to be sold in Japan, the Commission has priority on its purchase.

The flag was the standard of Shiro Amakusa, 17 year old Christian leader of the Christian rebellion against the oppressive rule of the Tokugawa Shogunate in 1637. He lead some 40,000 Christian samurai and troops in the revolt which ended in failure the next year.

The standard was made by a samurai named Uemon Yamada, the sole survivor of the revolt.

Children's Center Nearly Ready

THE Tokyo Metropolitan Children Center, under construction at Mitake-cho, Shibuya-ku, will be ready on Children's Day, May 5.

It is being constructed to commemorate the marriage of Crown Prince Akihito and Crown Princess Michiko.

The Children's Center will rise five floors above the street and have two basement floors. It will include a playroom, science, music and art rooms and a big hall. Cost is ¥694 million.

Light Plane on Sale

A FRENCH MSS-885 Super Rallye, to be built locally by Shin Meiwa Industries, was on display in front of the Nihon Sekiyu Building at the Tamuracho intersection.



The four-passenger monoplaner is priced at ¥5,000,000 each and is considered suitable for personnel transport, sightseeing, pilot training and chemical spraying.

The French plane is capable of operating from a 320-foot runway.

Home Visit Association Fetes First Anniversary

THE Japan Home Visit Association celebrated its first anniversary January 14 by throwing a large party in the Silver Room of the Nikkatsu Hotel. If the number of people in attendance was an indication, the association's first-year efforts in bringing 500 foreigners into Japanese homes must be considered a tremendous success. The cumbersome crowd, starting with beer and sandwiches, enjoyed an evening highlighted by the presence of U.S. Ambassador Reichsauer and other distinguished diplomats, a kimono fashion show, performances of folk dances and songs, and the dance music of Toru Arima's Noche Cubana band.

In an effort to have foreigners ex-

perience Japan more intimately by going into its homes, the Japan Home Visit Association has a 300-household membership to further this aim. Tokyo's association is proud of one feature that distinguishes it from similar associations in other Japanese cities. Membership is not limited to the wealthy upper classes, but embraces the middle classes as well. Offering homes from a wider social and economic range than in other cities, the Home Visit Association hopes to allow foreigners a glimpse into home-life representative of a majority of Japanese homes.

Foreign tourists desiring to visit a Japanese home should make reservations four days in advance by calling 561-2886.



GUIDED by Miss Kosa Moriya, a director of the Sogetsu School of Ikebana, Miss Rubi Rubens, visiting journalist from Buenos Aires, helps with the New Year floral arrangement in Tokyo Hilton's lobby.

This Week's Calendar

TOGENUKI JIZO SHRINE in Sugamo, Tokyo, which offers miraculous cures for thorns, is crowded with worshippers on Hatsu Jizo.



January 24-30

THE year's "Hatsu" first festivals continue with Hatsu Jizo on January 24, Hatsu Tenjin on January 25, and Hatsu Fudo on January 28.

Hatsu Fudo is generally the most popular of the first feast days held at various Fudo temples throughout Japan on January 28 with one of the most colorful ceremonies taking place at Naritatsu Fudo Temple in nearby Narita, Chiba Prefecture.

Daruma good luck dolls highlight Hatsu Fudo at Takahata Fudo Temple in Takahata, Minami-tamagun, Tokyo, where a Daruma doll fair takes place. The papier mache tumbler Daruma doll is popular because it symbolizes determination and indefatigability. It is patterned after the Zen Buddhist saint who, according to legend, spent years meditating Zen-fashion until he lost the use of his legs.

The First Tenjin festival on January 25 features the exchange of carved wooden bullfinches known as "Uso-Kae." An old "uso," bullfinch, a good luck symbol, is exchanged for a new one at Tenjin Shrines. The Kameido Tenji Shrine in Koto-ku, Tokyo, is one of the better known shrines where

this annual practice takes place.

Hatsu Jizo is observed at the Togenuki Jizo Shrine in Sugamo, Tokyo, on January 24. The Togenuki Jizo is believed to be endowed with miraculous powers of extracting thorns from anyone troubled with "toge" (thorns) in their body.

Also this week:

January 24—Tammangu Shrine in Osaka celebrates its first Tenjin festival one day before the other Tenjin shrines.

January 25 — Kyushogatsu, New Year's according to the lunar calendar, is observed by many rural communities.

January 26—Tenrikyo Church celebrates its annual spring festival at its headquarters in Tenri, Nara Prefecture. Tenrikyo is a neo-Shinto religion with millions of Japanese believers.

Footnote:

January 27—Flag Day. Not observed officially but the Rising Sun flag was officially adopted as the nation's national emblem in 1870.

January 28 — Lieutenant Naoshi Shirase hoisted the Sun Flag at the South Pole in 1912.

EVENTS of This Week

Friday, January 24

NOH: Tanko Dojinkai of Kanze School performs plays, "Yoroboshi" and "Fubenkenki." 5pm. Kanze Noh Theater, Shin-Ogawamachi. Tel. 260-7241 . . . **SUMO:** New Year Tournament 13th day. Makuuchi matches from 3:30pm. Kuramae Kokugikan, Kuramae. Tel. 851-2201 . . . **BOXING:** Osamu Watanabe vs Randolph Masula of Philippines, 10R. 8pm. Korakuen Gym., 5th fl., Korakuen Bowling Kaikan Bldg., Suidobashi. Tel. 811-2111.

Saturday, January 25

CONCERT: Glenn Miller Orchestra presents swing jazz numbers. 6:30pm. Sankei Hall, 2nd fl., Sankei Bldg. Otemachi. Tel. 231-7171 . . . **Studio**

Der Fruhen Musik, German Chamber Music Orchestra, presents Renaissance music with old music instruments. 7pm. Little Hall of Metropolitan Festival Hall, Ueno Park. Tel. 828-2111 . . . **RECITAL:** Noboru Toyomasu piano recital. All Beethoven's numbers. 7pm. Hibiya Public Hall, Hibiya Park. Tel. 591-7660 . . . **SUMO** New Year Tournament 14th day. Makuuchi matches begin around 3:30pm. 9am. Kuramae Kokugikan, Kuramae. Tel. 851-2201.

Sunday, January 26

SUMO: New Year Tournament final day. Makuuchi matches begin around 3:30pm. 9am. Kuramae Kokugikan, Kuramae. Tel. 851-2201.

Monday, January 27

CONCERT: Monthly tango concert by Shimpei Hayakawa's Orquesta Tipica Tokyo and Toshiaki Kochi's Los Padadores featuring singers, Michiko Mae. 6:30pm. Yamaha Hall, 4th fl., Nihon Gakki Bldg., Ginza. Tel. 572-3111 . . . **RECITAL:** Mitsugu Yamada clavichord recital. All Bach numbers." 6:30pm. Little Hall, Metropolitan Festival Hall, Ueno Park. Tel. 828-2111 . . . **Motomari Iguchi** piano recital. Mozart's "Piano Sonata No. 16 in B Flat Major, K. 570," Schumann's "Fantasie in C Major, Op. 17," Chopin's "Prelude, Op. 28" sdn Albeniz's "Spanish Rhapsody." 7pm. Metropolitan Festival Hall, Ueno Park. Tel. 828-2111 . . . **Mezzo-soprano Zara Dolukhanova** of Russia sings recital. All lieder. 6pm. Bunkyo Hall, Suidobashi. Tel. 811-4076.

Tuesday, January 28

CONCERT: Japan Philharmonic Symphony Orchestra, Akeo Watanabe conducting. Schuman's "Symphony No. 4 in D Minor, Op. 120," Dvorak's "Stabat Mater, p. 58" and Japanese composer's number. 7pm. Metropolitan Festival Hall, Ueno Park. Tel. 828-2111



TANKO DOJINKAI of Kanze School presents a noh play "Yoroboshi" at the Kanze Noh Theater on January 24.

. . . **Studio Der Fruhen Musik, German Chamber Orchestra.** All Renaissance numbers. 6:30pm. Toshi Center Hall, 2nd fl., Hotel Toshi Center, Hiraakawacho. Tel. 331-5501 . . . **NOH:** Sankai Domonkai's monthly performance. Plays, "Takasago," "Toboku" and a comedy. 5:30pm. Kanze Noh Theater, Shin-Ogawamachi. Tel. 260-7241.

Wednesday, January 29

RECITAL: American vocal group, Four Freshmen, Sing their numbers. 6:30 pm. Bunkyo Hall, Suidobashi. Tel. 811-4076 . . . **Pumiko Serizawa** mezzo-soprano recital. All lieder. 6:30pm. Iino Hall, 7th fl., Iino Bldg., Uchisaiwaicho. Tel. 501-2131 . . . **Taiichi Uemura** flute recital. Bach's "Sonata No. 5 in E Minor," Prokofiev's "Sonata No. 2 in D Minor, Op. 14" and four other numbers. 6:30pm. Little Hall, Metropolitan Festival Hall, Ueno Park. Tel. 828-2111 . . . **KYOGEKI:** Peking

Opera Company presenting "Yomon Nyocho." 6:30pm. Metropolitan Festival Hall, Ueno Park. Tel. 828-2111.

Thursday, January 30

NOH: Female members of Kanze Noh School. Plays, "Chikubujima," "Hogoromo," "Aoi-no-ue" and a comedy. 11am. Kanze Noh Theater, Shin-Ogawamachi. Tel. 260-7241 . . . **KYOGEKI:** presents a popular number "Saiyuki." Kyogeki (Peking Opera) Company 9:30pm. Metropolitan Festival Hall, Ueno Park. Tel. 828-2111.

EXHIBITIONS

Ancient Indian Art Exhibition—Religious sculptures including Lion sculptures on stone pillars of King Asoka's Palace and miniatures describing myths. Thru mid Jan. National Museum, Ueno Park.

Byobu and Buddha Images—Byobu paintings before Edo Era. Buddha images, Japanese paintings and noh

Kyogeki (Peking Opera) performances "Saiyuki" by Hou Chong-Ren at the Metropolitan Festival Hall on January 30.



masks. Thru end of Jan. Okura Shokukan, in front of Hotel Okura, Aka-saka Aoi-cho. Tel. 481-0781.

Folk Crafts—Various Japanese handi-crafts, dyed goods and pottery. Open 10am-4pm. Closed Mondays. Folk-Craft Museum, Komaba. Tel. 461-8742.

Ishibashi Collection—Permanent exhibi-tion of oils, sculpture, and other works of art by the world's master artists. Bridgestone Gallery, 2nd flr., Bridgestone Bldg., Kyobashi. Tel. 561-6317.

Japanese Games—Karuta (playing cards), hagoita, sugoroku (back-gam-mon) and other ancient Japanese games. Through Feb. 2. Closed Mon-days. Suntory Gallery, 9th flr., Palace Bldg., Marunouchi. Tel. 211-6936.

Matsukata Collection—Permanent exhibi-tion of some 400 masterpieces col-lected by the late millionaire Kojiro Matsukata. Oils and sculptures. Na-tional Museum of Western Art, Ueno Park. Tel. 821-1418.

Noh, Kabuki Exhibition—Masks, cos-tumes and musical instruments used

in Noh play, Kabuki dramas, and folk-dances. Open 9am-4pm. Closed Sun-days. Theatre Art Museum, in the compound of Waseda University. Tel. 341-2141.

Tea-things Exhibition—Tea-things of Edo Era, and stone statue of Bud-dhist deities. Open 9:30am-4:30pm. Closed Mondays. Goto Museum, Ka-minoge. Tel. 701-5932.

KABUKI

Grand Kabuki—New Year perform-ance starring Danjuro Ichikawa, Kanzaburo Nakamura, Shoroku Onoe, Baiko Onoe and Utsemon Nakamura. Matinee (11am): Two plays, "Hoto-togisu Kojima no Rakugetsu," "Shun-toku Kojima no Rakugetsu," "Suodoshi," "Iriya no Asemichi." Evening per-formance (4:40pm): Two plays, "Shi-hon Taiheiki," "Benkei Jishi" and two dances, "Onatsu Kyoran," "Kuruwa Bunsho." Jan. 2-27. Kabukiza Thea-ter, Ginza Higashi. Tel. 541-3131 (for reservations call Mr. S. Masubuchi).

Nissei Kabuki—Nissei Theater pro-duces special kabuki performance star-ring Senjaku Nakamura, Ennosuke Ichikawa and Tsurunosuke Bando. Matinee (11am): Play "Shinju Ten-no Amishima" and kabuki drawing card "Kanjincho." Evening performance (5pm): Play "Ichinotani Monogatari" and a dance "Futaomote Dojoji." Jan. 2-26. Nissei Theater, beside Imperial Hotel, Yurakucho. Tel. 503-0271.

Young Players—Starring Toshisho Sawamura, Gonjuro Kawanazaki and Gado Kataoka. Matinee (12 noon): Two plays, "Yowanake Ukina-no Yokogushi," "Kotobuki Soga-no Tai-men" and a dance "Meoto Dojoji." Evening performance (5pm): Three plays, "Futatsu Chocho Kuruwa Nik-ki," "Keise Awa-no Naruto," "Kuro-tegumi Kuruwa-no Tatehiki" and a kabuki drawing card "Kanjincho." Jan. 5-28. Toyoko Hall, 9th flr., To-yoko Dept. Store, Shibuya. Tel. 461-2877.



STUDIO DER FRUCHEN MUSIK, German chamber orchestra, appears at the Little Hall of Metropolitan Festival Hall on January 25.

MOVIES

Charade—Shochiku Piccadilly, Yu-rakucho. Tel. 201-2881. Thru end of February: 9:50 (Sundays), 12:10, 2:40, 5:10, 7:40.

Cleopatra—Yurakuza, Yurakucho. Tel. 591-6830. 2, 6:20.

Come Blow Your Horn—New Toho, 3rd flr., New Tokyo Bldg., Yurakucho. Tel. 571-1946. Thru end of January: 10:30 (Sundays), 11, 1, 3:15, 5:30, 7:45.

East of Eden—Miyuki-za, basement of Toho Kaikan Bldg., Yurakucho. Tel. 591-1211. Thru January 27: 8 (Sun. & Hol.), 11, 1, 3:15, 5:30, 7:45.

How the West Was Won—Theatre To-kyo, Ginza. Tel. 561-8891. Weekdays 1:30, 6:30. Sundays 10:30, 2:30, 6:30.

It's A Mad, Mad, Mad World—Sho-chiku Central, Tsukiji. Tel. 541-2714. Weekdays 1:40, 6. Sundays 10, 2:10, 6:20.

Kings of the Sun—Toei Palace, base-ment of Toei Kaikan Bldg., Ginza. Tel. 535-4740; Pantheon, Shibuya. Tel. 401-

7131; Milano-za, Shinjuku. Tel. 368-1181. Thru mid February: 9:10 (Sun-days), 11:05, 1:20, 3:35, 5:50, 8.

Lawrence of Arabia—Imperial Theater, Marunouchi. Tel. 271-5111. Thru end of January: 9:20 (Sundays), 1:50, 6:20.

Le Leopard (Italian. Dialogue in Eng-lish)—Hibiya, Yurakucho. Tel. 591-6534. Thru end of February: Weekdays 10:40, 1:30, 4:20, 7:10. Sundays 10, 1, 4, 7:05.

Mondo Senza Veil (Italian. Narration in Japanese)—Scala-za, 4th flr., To-kyo Takarazuka Theater, Yurakucho. Tel. 591-1211. Thru mid February: 9 (Sundays), 11:10, 1:20, 3:30, 5:40, 7:50.

The Wrong Arm of the Law—Marun-ouchi Toho, basement of Nichigeki Theater, Yurakucho. Tel. 201-2213. Thru January 25: Weekdays 11, 1:10, 3:20, 5:30, 7:40. Sundays 10:20, 12:20, 2:40, 5, 7:20.

The Trial—Miyuki-za, basement of Toho Kaikan Bldg., Yurakucho. Tel. 591-1211. From Jan. 28: Weekdays 11:50, 2:30, 5:10, 7:35. Sundays 10, 12:20, 2:45, 5:10, 7:35.



ATAHUALPA YUPANQUI, of Argentina, is one of the world's great guitarists. He accompanies himself as he sings songs of his country in a program at the Bunkyo Hall on January 24.

Under the Yum Yum Tree—Marunouchi Shichiku, basement of Shochiku Piccadilly, Yurakucho. Tel. 201-3720. Thru mid February: 10:45 (Sundays), 11:05, 1 3:15, 5:30, 7:40.

STAGE SHOWS

My Fair Lady—Frederick Loewe's hit musical play in Japanese language



starring Chiemi Eri and Tadao Takashima. Jan. 2-28. Show time: Jan. 3-7, Sundays and Jan. 15 from 11:30am & 4:30pm; Saturdays from 12:30pm & 5:30pm; weekdays from 5:30pm. Tokyo Takarazuka Theater, beside Imperial Hotel, Yurakucho. Tel. 591-1211.

Secret Women, Only Night—New Year performance in 24 scenes by all NMH nude dancers. Also some foreign nude dancers featured alternately. Dec. 29-Feb. 24. Show time: Sundays & Holidays 12:30, 2:50, 5:10, 7:30; weekdays 2:30, 4:50, 7:10.

Takarazuka Revue—New Year performance by Snow and Flower troupes. Musical play "Red Flower of Tahiti" in 10 scenes and a grand review "This is Takarazuka" in 24 scenes. Jan. 1-28. Show time: Jan. 2-7 & 15 from 12 noon & 5pm; Jan. 9 from 5:30pm; Jan. 10, 21, 23, 27 from 12:30pm; other weekdays from 12:30pm & 5:30pm; Closed Jan. 13, 20 & 24. Shinjuku Koma Stadium, Shinjuku. Tel. 368-0131.

Dining Out in Tokyo

TOKYO is truly one of the great cosmopolitan cities of the world. It is a real restaurant city in the best sense of the word. American steaks, French escargot, Italian pizzas, Japanese tempura and Peking duck are among the treats to be found in Tokyo's superb establishments.

There is an abundance of fresh fish, fine poultry and tender beef which form the basis of the great gourmet dinners. Delicious fresh fruit in season such as apples, tangerines, melons and strawberries are unsurpassed.

All of Tokyo's world-famous hotels have outstanding restaurants and grills supervised by Paris-trained chefs while restaurants serve food from all parts of the world—China, Indonesia, Germany, Scandinavia, and Russia.

And while you are here, don't forget to try a meal or two in the traditional Japanese manner. The sukiyaki, mizutaki, tempura and yakitori are real treats for the international gourmets.

Hotel Dining

AKASAKA PRINCE—Tel. 332-5151/8. Address: Kioi-cho, Chiyoda-ku. **Dining Room:** Breakfast 7-10:00 am. ¥400. Luncheon noon until 2:00 pm ¥800. Dinner 6-8:00 pm, ¥1,000. **Grill Room:** 10:00 am until 10:00 pm, a la carte. **Tempura Room:** 11:00 am to 8:00 pm, ¥1,200-2,000. **Nishiki Chinese Buffet:** 11:00 am to 9:00 pm, ¥1,200, also a la carte. **Dream Night Room** (music nightly) open 10:00 am until midnight offering luncheon and dinner menus, snacks, liquid refreshments, a la carte.

AZABU PRINCE—Tel. 473-1111/7. Address: Honmura-cho, Minato-ku. **Dining Room:** Breakfast 7-9:00 am, ¥450. Luncheon 11:30 am-1:30 pm, ¥800. Dinner 5-7:30 pm, ¥1,000. **Tempura Room** open daily 11:00 am until 9:00 pm, ¥1,200 and ¥1,500. **Prince Kabob** (a special Azabu Prince delight), ¥1,000 up. Terrace Moonlight 5:00 pm until 10:30 pm with music nightly.

DAI-ICHI—Tel. 501-4411. Address: 10-

2, Shiba Shimbashi, Minato-ku. **Main Dining Room:** breakfast ¥300, 7-9:30 am; lunch ¥500, 11:30am-1:30pm; dinner ¥700, 5:30-8:30pm. **Grill:** roast beef on Wednesday, ¥1,000. **Haku-raku-ten:** Chinese buffet. Lunch ¥800, 12 noon-2pm; dinner ¥1,000, 5-8:30pm. **Olympia:** International buffet. Lunch ¥800, 12 noon-2pm; dinner ¥1,000, 5-8:30 pm.

DIAMOND—Tel. 301-3251/5. Address: 25, Ichibancho, Kojimachi, Chiyoda-ku. **Main Dining Room:** breakfast ¥400, 8:30-10am; lunch ¥600, 12 noon-1pm; dinner ¥1,000, 5-7pm. **Diamond Hanten:** Chinese buffet. ¥1,200, 5:30-9pm. **Grill, Hawaiian Room and Bar.**

FAIRMONT—Tel. 301-1151/9. Address: Sanbancho, Chiyoda-ku. **Main Dining Room:** breakfast ¥300, 350, 7-11am; lunch ¥450, 12 noon-2:30pm; dinner ¥720, 6-10pm.

GAJOEN KANKO—Tel. 491-3111/5. Address: 1-chome, Shimo-Meguro, Meguro-ku. **Grill:** breakfast ¥350, 400; lunch ¥600, 800; dinner ¥1,000. Open 7:30am-10pm. **Dragon Room:** Chinese foods. Lunch, a la carte, 12 noon-2pm; dinner ¥1,000, 5:30-9pm.

GINZA TOKYU—Tel 541-2411. Address: 5, 5-chome, Ginza-Higashi, Chuo-ku. Main Dining Room: Continental. Breakfast ¥400, 5:00, 7-10am; lunch ¥800, 11:30am-2pm; dinner ¥1,200, 6-10pm. A la carte service available. Grill: Roast beef wagon service ¥1,300 (as many slices as you can eat), Blue River Trout ¥400. Oyster on half shell. Open 12 noon-11pm. **Kung Chiao Ting** (Peacock): Chinese buffet. Lunch ¥800, 12 noon-2:30pm; dinner ¥1,200, 5:30-8:30pm. **Ginza Snack**: Open 24 hours. Light meals and drinks. Shrimp curry ¥250. Breakfast menu, 6-11am; lunch menu, 11am-11pm; night menu, 11pm-6am.

IMPERIAL—Tel 591-3141. Address: Uchisaiwaicho, Chiyoda-ku. **Imperial Viking**: Smorgasbord. Lunch ¥1,200, 12 noon-2pm; dinner ¥1,500, 6-9:30pm. **Phoenix Room**: (table d'hôte only) breakfast ¥500, 7-10am; lunch ¥800-1,200, 12 noon-2pm; dinner 430 up (entre), ¥1,300 up (complete), 6-9pm. **Phoenix Lounge**: breakfast ¥270, 6-7am. **Cafe Terrace**: a la carte only. Open 10am-12 midnight. **Main Dining Room**: (table d'hôte) breakfast ¥450, 5:00, 6:00, 7-9:30am; lunch ¥800, 12 noon-2pm. A la carte service available. Grill: A la carte ¥500 up. Open 11:30am-10pm. **Prunier**: A la carte ¥600 up. Open 11:30am-2pm; 5-9pm. **Sukiyaki Room**: Sukiyaki and tempura. Lunch ¥1,200, 12 noon-2pm; dinner ¥1,500, 5:30-9pm. **Garden Bar**: Pancake ¥200-400, until 5:30pm.

Open 9:30am-11pm. **KOKUSAI KANKO**—Tel 231-3181. Address: 1, 1-chome, Marunouchi, Chiyoda-ku. Main Dining Room: breakfast ¥400-500, 7-10am; lunch ¥500-700, 12 noon-2pm; dinner ¥800, 1,000, 5:30-9pm.

MARUNOUCHI—Tel 231-0271. Address: 1, 1-chome, Marunouchi, Chiyoda-ku. **Golden Pavilion**: lunch ¥1,000 up, 12 noon-2pm; dinner ¥1,000 up, 5:30-10pm. Also a la carte service. **Bamboo Grill**: breakfast ¥400, 7-10:30 am; lunch and dinner ¥1,000 up, 11:30 am-10pm. Also a la carte. **Sakura Room**: Steaks, tempura, yakitori ¥1,200 up, 12 noon-2pm; 6-11pm.

NIKKATSU—Tel 271-2261. Address: Yurakucho, Chiyoda-ku. **Silver Room**: breakfast ¥450, 7-9am; lunch ¥700-1,000, 11:30am-2pm; dinner ¥1,000-1,400. **Green Room**: a la carte only featuring charcoal broiled steaks, chicken and sea food. Open 11am-9:30pm.

NEW JAPAN—Tel 501-5511. Address: 29, 2-chome, Nagatacho, Chiyoda-ku. **Main Dining Room**: breakfast ¥450, lunch ¥800, 1,000, 12 noon-2pm; dinner ¥1,200, 1,500, 5:30-9pm. **Terrace Rainbow**: a la carte. Music nightly 6:30 pm-11:30pm. Open 11am-2pm. **Grill Villa**: a la carte. Open 10am-10pm. **Japanese Restaurant**: lunch ¥800 dinner ¥1,200, 2,000. **Sukiyaki** ¥1,400, 1,600. Open 11am-10pm. **Chinese Restaurant**: a la carte. Dinner ¥1,000 up. Open 11am-10pm. **Polynesian Restaurant**: lunch ¥750, 800, 12 noon-3pm;

dinner ¥1,200-2,000, 5:30-11pm. **Mermaid Bar**: Open 11am-2pm. **NIKKO**—Tel 571-4911. Address: 8-chome, Ginza-Nishi, Chuo-ku. Grill: breakfast ¥350, 7-9:30am; lunch ¥700, 11:30am-2pm; dinner ¥900, 5:30-8:30 pm. **Sky Room**: Genghis Khan barbecue and sukiyaki ¥1,000, 11:30am-9pm.

OKURA—Tel 481-8011. Address: 3, Akasaka Aoiho, Minato-ku. **Orchid** (Main Dining): breakfast ¥450, 5:50, 7-10am; lunch ¥1,000 up, 12 noon-2:30 pm; dinner ¥1,200-1,500, also a la carte ¥500 up, 6-9pm. **Emerald Room** (Grill and Prunier): a la carte ¥500 up, 11:30am-2am. **Continental Room**: a la carte ¥500 up, 11:30am-2:30pm; 5:30-10pm. **Yamazato** (Japanese): lunch ¥1,200, 1,500, 11:30am-2:30pm; dinner ¥1,500-2,000, 5:30-10pm. **Tob-ka-lin** (Chinese): a la carte ¥500 up, 11am-10pm. **Camellia Corner** (Coffee Shop): coffee ¥80 sandwiches ¥200 up, 7am-9pm.

PALACE—Tel 211-5211. Address: 1-chome, Marunouchi, Chiyoda-ku. **Swan Room** (Main Dining): breakfast ¥450, 5:50, 6:45-10am; lunch ¥800, 1,200, 11:30am-2pm; dinner ¥1,200, 1,500, 5:15-9pm. **Grill and Prunier**: a la carte only, 11:30am-9pm. **Viking Room**: lunch & dinner ¥1,200, 11:30am-2pm; 5:30-9pm. **Sukiyaki and Tempura Room**: lunch & dinner ¥1,300, 11:30 am-2pm; 5-9pm. **Bar Crown**: open 11:30am-11:30pm.

SAN BANCHI—Tel 301-3333/9. Address: 2, Sanbanchi, Chiyoda-ku. **Main Dining Room**: breakfast ¥130-330, 7-11am; lunch ¥450, 12 noon-2:30pm; dinner ¥720, 6-10pm. Also a la carte menu.

TAKANAWA PRINCE—Tel 441-4121/8. Address: Takanawa, Minami-cho, Minato-ku. **Dining Room**: Breakfast 7:00-10:00 am, ¥450. Luncheon 11:30 am to 2:30 pm, ¥800. Dinner 5:00-8:00 pm, ¥1,000. **Grill**: a la carte from 10:00 am until midnight. **Smorgasbord** 11:30 am-2:30 pm, ¥1,000 and

5:00 to 9:00 pm, ¥1,200. **Rainbow Buffet** (in main dining room) Monday through Saturday evenings ¥1,000. Sunday evening special **Rainbow Buffet**, ¥800. **Supper Club** open 8:00 pm, closes midnight, music nightly, a la carte food and mixed drinks. **Tempura Room** open daily 11:00 am until 10:00 pm, ¥1,200.

TOKYO HILTON—Tel. 581-4511. Address: 57, 2-chome, Nagatacho, Chiyoda-ku. **Keyaki Grill**: Rotisserie and grill restaurant. Lunch 12 noon-3:30 pm; dinner 6-10:30pm. **Origami Coffee House**: Attractive food at reasonable prices. Open 6:30am-1am. Coffee ¥80. **Star Hill Club**: Elegant evening res-



WELCOME

The most exclusive restaurant in Tokyo

GASLIGHT

where steaks are served in an atmosphere of "The Gay 90's"

* Tokyo's only Player-Piano in the Gay 90's Bar

* Prime-rib of Beef

Amerex Bldg., Nishi-Kojimachi, Azabu, Tokyo
Tel. 431-2774, 2798

Foreigner's Feasting Paradise
Beef Steak and Sukiyaki
Enjoy Your Dinner Looking Out On Beautiful Night Scene of Ginza

ASAHI
Open: 11:00 a.m. - 9:30 P.m. (Daily)
6th floor of SUEHIRO - right opposite to Miyuki Souvenir Shop (behind Matsuzakaya Dept. Store)
For Taxi 銀座松坂屋裏 六五七六六

MATSU-ZAKAYA Dept. Store
Chuo-Dori

restaurant and supper club featuring French cuisine and music by candlelight. Open 7-11:30pm. **House of Genji:** Japanese restaurant serving tempura, sukiyaki and Japanese barbecue. ¥1,800. Open 11am-3pm; 5-10pm. **Li-Po Bar**—Oriental cocktail lounge and bar featuring piano music nightly. Open 12 noon-2am. **Tea & Cocktail Lounge:** off main lobby featuring traditional Japanese tea ceremony from 5-6:30pm. Open 10am to midnight.

TOSHI CENTER—Tel 331-5501. Address: 2-chome, Hirakawacho, Chiyoda-ku. **Main Dining Room:** breakfast ¥400, 7-9:30am; lunch ¥350, 650-1,200, 12 noon-2pm; dinner ¥650-1,200, 6-9pm.

YOKOHAMA PRINCE—Tel. Yokohama 3-6631/5. Address: Masaka, Isogomachi, Isogo-ku, Yokohama. **Dining Room:** Breakfast 7:00-9:00 am, ¥400 up. Luncheon 11:30 am-2:00 pm, ¥600-800, and a la carte. Dinner

5:00-8:30 pm, ¥800-1,000 and a la carte. **Grill Room** open from 10:00 am until 11:00 pm. A la carte orders. **Sukiyaki Room** meals by reservation only ¥1,000. **Viking Buffet** ¥1,200 and **Barbecue** ¥1,000-1,200 and 2,000.

Barbecue

CHINZANSO—Tel 941-0117. Address: 41 Sekiguchidaimachi, Bunkyo-ku. For lunch or dinner in a beautiful Japanese garden. Genghis Khan barbecue, chicken and other dishes. Reasonable prices. Ideal for buffet parties. Open 10am-9pm.

SKY ROOM—Tel 571-4911. Address: 11th fl., Hotel Nikko, 8-chome, Ginza-Nishi, Chuo-ku. Unrivalled view of the Ginza at night. Genghis Khan barbecue lunch and dinner ¥1,000. Open 11:30am-9pm.

Chinese

AKASAKA PRINCE—Tel. 332-5151/8. Address: Kioto-cho, Chiyoda-ku. Delightful selection of delicious Chinese foods served buffet style daily beginning at 11:00 am until 9:00 pm. Try the Nishiki buffet at ¥1,200, or order various Chinese dishes a la carte.

CHINA HOUSE—Tel 591-4301/4. Address: 4, 3-chome, Shiba Tamuracho, Minato-ku. Genuine Cantonese cuisine. Expensive but good. Open 11:30am-10:30pm.

CHIKYU HANTEN—Tel 371-6221. Address: 3rd fl., Chikyu Kaikan, Kabukicho, Shinjuku-ku. Band plays for dinner guests. A la carte. Open 12 noon-10:30pm.

DIAMOND HANTEN—Tel 301-3251/5. Address: Diamond Hotel, Ichibancho, Chiyoda-ku. Chinese buffet ¥1,200. Open 5:30-9pm.

EI RIN—Tel 481-1353/4. Address: 13-6, Akasaka Tamachi, Minato-ku. Tasty Peking food. Open 12 noon-10pm.

DRAGON ROOM—Tel 491-0111/5. Address: 2nd fl., Gajoen Kanko Hotel, 1-chome, Shimo-Meguro, Meguro-ku.

SUBSCRIPTION BLANK

This Week in TOKYO

P.O. BOX 164, KYOBASHI, TOKYO

Please enter my subscription to your magazine for () 3 months; () 6 months; () 1 year. My remittance is enclosed.

	JAPAN	FOREIGN
3 months	¥1,300	¥1,400 \$4.00
6 months	¥2,500	¥2,700 \$7.50
1 year	¥4,500	¥5,220 \$14.50

Name:

Address:

Remarks:

Opening SHORTLY!

KIULIU-EN serves delicious Chinese dishes in European-style service. Genuine Chinese atmosphere and reasonable prices.

- 1st Floor Lobby • Dining Hall • Cocktail Lounge
- 2nd Floor Private Rooms • Tatami Rooms
- 3rd Floor Private Rooms • Banquet Rooms
- 4th Floor Main Banquet Hall

TOKYO TOWER seen to the west of the building



Equipped with complete exclusive parking lot



Chinese Restaurant
KIULIU-EN

Foot of Tokyo Tower, Azabu, Jigura

Tel. 481-5301/3

Dishes prepared by Chinese chefs. Buffet service. Lunch ¥800, dinner ¥1,000. Open 12 noon-2pm, 5:30-9pm.

HONGKONG—Tel 591-3715, 5066. Address: 5, 3-chome, Shiba Tamuracho, Minato-ku. Peking style Chinese cuisine. Open 11:30am-10pm.

HOTEL NEW JAPAN—Tel 501-5511. Address: 3rd fl., Hotel New Japan, 29, 2-chome, Nagatscho, Chiyoda-ku. A la carte dishes. Dinner ¥1,000-2,000. Open 11am-10pm.

KORAKUEN—Tel 811-2111. Address: 1, 1-chome, Kasugacho, Bunkyo-ku. Features Shanghai style cuisine, all you can eat for ¥1,000 per person. Open 11:30am-9:30pm.

KUNG CHIAO TING (Peacock)—Tel 541-2411. Address: Ginza Tokyu Hotel, 5, 5-chome, Ginza-Higashi, Chuo-ku. Chinese buffet service. Lunch ¥800, dinner ¥1,200. Open 12 noon-2:30pm, 5:30-8:30pm.

LIU YUAN—Tel 581-6221/7. Address: 5-9, Shiba Park, Minato-ku. The ultimate in Chinese cuisine and authentic Chinese setting. Fabulous four-story epicurean emporium offers choice of Canton, Szechwan, Foochow and Shanghai food Viking (Sundays and holidays on'y) lunch ¥900, dinner ¥1,500. On ground floor. Main dining room on second floor, grand banquet hall accommodating 400 persons on second floor, special banquet and private rooms on 3rd floor and special VIP and deluxe dining rooms on 4th

floor. Cantonese style light lunch served from 11:30am to 3pm for ¥150. up. Gorgeous bar on ground floor, beautiful view from 4th floor veranda. Open 11am to 11:30pm.

PAI LO TIEN—Tel 501-4411. Address: Basement, Dalichi Hotel Annex, Shibashi, Minato-ku. Chinese buffet. Lunch ¥800, dinner ¥1,000. Open 12 noon-2pm, 5-8:30pm.

PEKING MANSION—Tel 431-4131. Address: In the new building, Shiba Park Hotel, 3, Rokugochi, Shiba Park, Minato-ku. Genuine Peking cuisine prepared by chefs brought especially from Hongkong. Mrs. Shimizu, the manager. Open 11am-10pm.

SANNO—Tel. 581-2451. Address: 77, 2-chome, Nagata-cho, Chiyoda-ku. (Between Hotel New Japan and Sanno Hotel). Main dining hall on ground floor, private dining rooms on 2nd floor, banquet/reception hall on 3rd floor, Japanese tatami rooms on 4th floor lunch service 11:30am to 2pm, special dinner ¥700 per person, a la carte from ¥400. Sunday family special ¥500 per person.

SIN HO RAI—Tel 541-7485. Address: Basement of Kakyō Bldg., 6, 3-chome, Tsukiji, Chuo-ku. Only Chinese restaurant in Tokyo serving Taiwan (Fukien) dishes. Open 11:30am-2:30pm, 5:30-9pm. Closed Sundays.

SUN YA—Tel 431-4369, 2962, 1566. Address: 1, 4-chome, Tamuracho, Minato-ku. Modern Shanghai-style Chinese food. ¥1,000-2,000 per person. Expensive but good. Open 11am-11pm. Owner-manager Han.

TAIKO—Tel 571-2108. Address: 3, 8-chome, Ginza-Nishi, Chuo-ku. Next to Club Show Boat. Genuine Chinese cuisine served in an authentic atmosphere. Member of Diners' Club and Am Express. Open 11am-1:30am.

TOH-KA-LIN—Tel 481-8011. Address: 5th fl., Hotel Okura. Choice Cantonese food. A la carte ¥500 up. Table d'hôte ¥1,500. Open 11am-10pm.



French

CRESCENT—Tel 431-1222, 3125. Address: 1, 8-gochi, Shiba Park, Minato-ku. This restaurant offers excellent French food in an old English-style cottage. Magnificent view of the Tokyo Tower illuminated at night. Dinner ¥1,300, 2,000, 2,500. A la carte ¥300 up. Call Manager Kishi for reservations. Open 11:30am-10pm.

HANA-NO-KI—Tel 571-0073, 0095. Address: 2, 6-chome, Ginza-Nishi, Chuo-ku. Tokyo's smartest French restaurant with exceptionally fine food by Japan's best French chef Shido. In Paris, it's Maxim's; in Tokyo, it's Hana-no-ki. Dinner ¥1,000 up. A la carte ¥300 up.

MARUNOUCHI KAIKAN GRILL—Tel 211-5771/4. Address: Chiyoda Bldg., 2-chome, Marunouchi, Chiyoda-ku. Outstanding French cuisine and Chinese dishes. Ideal for private parties, and club meetings. Open 10am-8pm.

MOON CREST—Tel 502-1031/2. Basement Niseki Bldg., 4, 1-chome, Tamuracho, Minato-ku. Affiliated with the Crescent French restaurant. Fine food in quiet atmosphere. Ideal for business lunches and dinners. Prices moderate. Open 10am-10pm. Closed Sundays.

PEACOCK—Tel 271-2358/9. Address: Basement, Maruzen Bldg., Nihombashi, Chuo-ku. Lunch and dinner ¥800-2,000. Open 11am-10pm.

RENGAYA—Tel 481-4856. Address: 21 Imaicho, Azabu, Minato-ku. Chic

French restaurant with pleasant atmosphere. Lunch and dinner ¥1,000-1,500. A la carte from ¥300. Open 11:30am-11:30pm.

RESTAURANT GOLD—Tel 408-4251. Address: Basement of Aoyama Mansions, 11, 4-chome, Akasaka Omotemachi, Minato-ku. A pleasant spot for lunch in the Aoyama district. Steak dinner ¥880. Also a la carte. Under management of Hotel Toshi Center. Open 10am-8pm.

General

COPA LITTLE CLUB—Tel 481-6023. Address: Second floor of Copacabana, Akasaka Tamachi, Minato-ku. One of Tokyo's outstanding restaurants. Excellent menu, attractive bar. Reservations recommended especially after 8pm. Open 6pm-3am. Member of American Express.

EMERALD ROOM—Tel 481-8011. 4th floor, Hotel Okura, Akasaka Aoi-cho, Minato-ku. A la carte ¥500 up. Open 11:30am-2am.

GRILL VILLA—Tel 501-5511. Address: Main floor, Hotel New Japan, 2-chome, Nagatscho, Chiyoda-ku. Selected a la carte menu from ¥500. Reasonable prices and pleasant atmosphere. Open 10am-10pm.

KEYAKI GRILL, Tokyo Hilton Hotel—Tel. 581-4511. Address: 57, 2-chome, Nagatscho, Chiyoda-ku. Rotisserie and grill. Lunch 12 noon-3:30 pm; dinner 6-10:30pm.

Cuisine Française

Quatres au Citron

Half Shell Oyster with Lemon

Open Daily

2-6, Nishi Ginza Tel: 571-0073, 0095 For Taxi 銀座電通 花の木



HANANOKI

TOKYO NEW GRAND—Tel 531-0430 ext. 61/63. Address: 6, 2-chome, Harumi, Chuo-ku (Tokyo International Fair grounds). Outstanding cuisine and service. Operated by the Yokohama's Hotel New Grand. Open 11:30am-5pm.

German

A. LOHMEYER—Tel 571-1142, 5024. Address: 1, 5-chome, Ginza-Nishi, Chuo-ku. Good, solid German food, imported beer. Open 11am-11pm.

Russian Restaurant & Bar

VOLGA

- Russian cuisine prepared by Tokyo's best Russian chef
- Russian music played nightly

Open daily 11am-4am.

ヴォルガ・レストラン

12, Shinyudocho, Azabu, Tokyo Tel: 408-6321
For Taxi: 新大塚12 / 六本木から四谷へ三番

KETEL'S GERMAN RESTAURANT



Japan's most famous German Restaurant

Open daily 11am-10:30pm

Tel: 571-5056, 4642
On Namiki-dori bet. Annex & 2 Ave.
For Taxi: 銀座西五丁目最末通り ケテル

BAVARIA—Tel 572-2461/2. Address: 4, 5-chome, Ginza-nishi, Chuo-ku. German Beer Hall and Restaurant featuring imported and domestic beer, barbecued chicken a la Bavaria. Open 7 days a week 11am to 2am.

KETEL—Tel 571-5056, 4642. Address: 5, 5-chome, Ginza-Nishi, Chuo-ku. German menu changed daily. Lunch ¥450, dinner ¥1,200 & 1,800. Open 11am-10:30pm. Members of Diners' Club and American Express.

ROSENKELLER—Tel 572-1675/6. Address: 1, 7-chome, Ginza Nishi, Chuo-ku. Bavarian style German restaurant serving German specialties. Beer served in flagons. European waitresses. Open 11:30am-2am.

Hungarian

HUNGARIA—Tel 561-6327, 1010. Address: 3, 2-chome, Ginza-Nishi, Chuo-ku. The only Hungarian restaurant in Tokyo. Lunch ¥400, 450, dinner ¥700-1,300. Selected a la carte ¥200 up. Open 11:30am-10pm. Member of Diners' Club and American Express.

Indonesian

INDONESIA RAYA—Tel 501-8505. Address: 15, 4-chome, Shiba Tamura-cho, Minato-ku. Open 11am-11pm. Serving Indonesian and tropical specialties. Oldest Indonesian restaurant in Tokyo. Yurakucho Restaurant: Tel 591-3198. Address: 2, 1-chome, Yurakucho, Chiyoda-ku. Open 11am-11pm. Lunch ¥200 (5 dishes).

SEDERHANA—Tel 481-7577. Address: 67, Azabu Tansumachi, Minato-ku. Genuine Indonesian dishes prepared by Indonesian chefs. Open 11am-12 midnight.

Italian

CHIANTI—Tel 481-7546. Address: 8, Azabu Igura-katamachi, Minato-ku. Small, intimate restaurant. Reservations suggested. Open 12 noon-4am.

CONTINENTAL ROOM, Hotel Okura—

Tel 481-8011. Address: 3, Akasaka Aoi-cho, Minato-ku. Italian specialties on the menu of this outstanding international restaurant. 10th floor. Open 11:30am to 2:30pm, 5:30pm to 10pm.

ITALIAN GARDENS—Tel 402-5495. Address: Basement of Checker Bldg., 32, Akasaka Shin-Sakamachi, Minato-ku. Open 11am-3am. Closed Sundays.

NICOLA'S—Tel 481-4712, 7938. Address: 14, Azabu Igura-katamachi, Minato-ku. Real Italian food and 50 varieties of pizza. Open 11am-4am.

TIVOLI—Tel 368-6521. Address: 21, Kabukicho, Shinjuku-ku. In front of Koma Theater. Spaghetti, ravioli, pizza, etc. in comfortable atmosphere. Open 12 noon-5:30am.

Mexican

PAPAGAYO—Tel 501-5306/7. Address: Basement, Torsanomon Sangyo Bldg., 1, Kotohiracho, Minato-ku. The only restaurant in Tokyo serving Mexican food—tacos, tamales and enchiladas. Open 12 noon-12 midnight.

Russian

BALALAIKA—Tel 291-8363, 6737. Address: Surugadai-shita, Kanda, Chiyoda-ku. Superior restaurant in Tokyo with a fine selection of Russian dishes. Music from 6:30pm-3am nightly. Special Balalaika music from 11pm to 3am. Open 11am-3am; Sundays 5-10:30pm.

MANOS—Tel 481-1348. Address: 12, 4-chome, Akasaka Tamachi, Minato-ku. Shibuya restaurant—Tel 461-0654, Miyashita-cho, Shibuya-ku. Most reasonably priced Russian restaurant in Tokyo. Russian chefs under American management. Midnight snacks. Open from 11am to 4am.

VOLGA—Tel 408-6321, 402-0626. Address: 12 Azabu Shin-Ryudocho, Minato-ku. Tasty Russian dishes prepared by a Russian chef. Excellent atmosphere. Open 11am-4am. Russian balalaika music from 6pm-12 midnight.

Prepared by an Indonesian chef. Enjoy our food and Indonesian music.

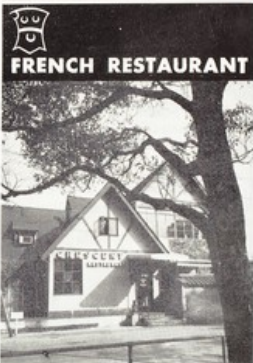
Open 11 am-11 pm

Restaurant & Bar

INDONESIA RAYA

2nd floor—Java-Sumatra decor. For general diners.
3rd floor—Celebes decor. Small party rooms.
4th floor—New Guinea decor. Big banquet hall, buffet style for 100 guests.

Main Restaurant: 15, 4-chome, Shiba Tamura-cho, Minatoku, Tel: 501-8505
For Taxi: in front of Nikkatsu Hotel
Chiyoda-ku, Tokyo Tel: 591-3198



CRESCENT

Open Daily 11:30a.m.-10p.m.
No. 1, 8-gochi, Shiba Park, Tokyo
Tel: 431-1222, 3125

For Taxi: 芝公園増上寺前 クレセント

Seafood

EMERALD ROOM—Tel 481-8011. Address: 4th floor of Hotel Okura, 3, Akasaka Aiocho, Minato-ku. A la carte ¥500 up. Open 11:30am-2am.
PRUNIER, Imperial Hotel—Tel 591-3141. Address: 1, 1-chome, Uchisaiwaicho, Chiyoda-ku. Internationally known for fine seafood, Hiroshima oysters in season, lobsters. Open 11:30 am-2pm; 5-9pm.

Smorgasbord

IMPERIAL VIKING—Tel 591-3141. Address: Basement of New Building.

Steak House CHACO Open daily 11 to 11
 Steaks charcoal broiled before your very eyes
 Main Restaurant
 2, 3-chome, Shiba-Tomuracho Minato-ku. Tel: 591-2024
 中国飯店並み田村町寄り 新設

Western Branch
 18th St. near 2nd Ave. Opposite Getz Bros.
 Tel: 481-8101/2

SUZIE'S ITALIAN GARDENS
 THE BEST ITALIAN FOOD
 イタリアン・ガーデンズ
 Open 11am-3am Except Sundays
 32, Shin-Sakomachi, Minato-ku, Tokyo
 Basement, Checker Bldg. Tel: 402-5495
 For Taxi: 青山一丁目から六本木へ向い左側

Imperial Hotel, Uchisaiwaicho, Chiyoda-ku. The first restaurant in Japan featuring authentic smorgasbord. Lunch ¥1,200, 12 noon-2pm; dinner ¥1,500, 6-9:30pm.

OLYMPIA—Tel 501-4411. Address: ground floor, Dai-ichi Hotel, 10-2 Shimbashi. International buffet. Lunch ¥800, dinner ¥1,000. Open 12 noon to 2pm (lunch), 5pm to 8:30pm (dinner).

AKANAWA PRINCE—Tel. 441-4121/8. Address: Minami-cho, Minato-ku. In the Takanawa Prince Kaikan, 80 delightfully prepared foods served in a charming atmosphere. Luncheon from 11:30 until 2:30 pm-¥1,000. Dinner from 5:00 pm until 9:00 pm-¥1,200.

VIKING ROOM—Tel 211-5211. Address: Basement, Palace Hotel, 10, 1-chome, Marunouchi, Chiyoda-ku. Lunch ¥1,200, 11:30am-2pm; dinner ¥1,200, 6-9pm.

Spanish

CONTINENTAL ROOM, Hotel Okura—Tel 481-8011. Address: 3, Akasaka Toicho, Minato-ku. Spanish dishes featured on the international menu of this 10th floor restaurant. Open 11:30 am to 2:30pm, 5:30pm to 10pm.

Snacks

CAMELLIA CORNER—Tel 481-8011. Address: Ground floor, Hotel Okura, 3, Akasaka Aiocho, Minato-ku. Open 7am-6pm.

GINZA SNACK—Tel 541-2411. Address: Ginza Tokyu Hotel, 5, 5-chome, Ginza-Higashi, Chuo-ku. Light snacks and a la carte dishes. Open 24 hours a day.

MEIDI-YA—Tel 561-7379. Address: 2-chome, Ginza, Chuo-ku. One of the most popular places on the Ginza for American food. Lunch ¥350-450; dinner ¥500-700. Open 11am-8pm.

PALACE HOTEL COFFEE SHOP—Tel 211-5211. Address: Basement of the Palace Hotel, Marunouchi, Chiyoda-ku.

Light snacks and a la carte dishes. Open 6:30am-1am.

NIKKATSU COFFEE SHOP—Tel 271-2261 ext. 328. Address: Basement, Nikkatsu Int'l Bldg., Yurakucho, Chiyoda-ku. Open 9am-8pm; Sundays 11 am-7pm.

Steaks, Chops

AKASAKA MISONO—Tel 481-3389, 0637. Address: 30, 3-chome, Akasaka Shinmachi, Minato-ku (few minutes walk from Hotel New Japan and Tokyo Hilton Hotel). Kobe beef steaks cooked before your very eyes. For reservations call Miss Omita. Open 11:30am-2pm; 5pm-1am.

ASAHI—Tel 571-9271. Address: 6th fl., Suehiro Bldg., behind Matsuzakaya Dept. Store, 6-chome, Ginza. Features tender Matsuzakaya steaks. ¥800-2,000. Open 11am-10:30pm.

CHACO—Tel 591-2024. Address: 2, 3-chome, Shiba Tamuracho, Minato-ku. Offers excellent steaks charcoal-broiled before the diners. Lunch ¥350 up. Dinner ¥500 up. Open 11am-11pm. Western Chaco (branch)—Tel 481-8101/2. Address: 21, Igura Katamachi, Minato-ku. Open 11:30am-11pm.

FUJI ICE STEAK CORNER—Tel. 201-0811. Address: 3, 1-chome, Yurakucho, Chiyoda-ku. Kobe beef steaks. Open 12 noon-1am.

GASLIGHT—Tel. 481-2774, 2798. Address: Basement of Amerex Bldg., (next to Soviet Embassy), Mamiana,

Minato-ku. Steaks, Prime rib roasts. Open from 5pm-4am.

GINZA MIKADO—Tel 572-6081. Address: Sankei Bldg., 4, 8-chome, Ginza, Chuo-ku. Newly opened steak house featuring Matsuzakaya beef. Steaks from ¥1,300. Open daily from noon to 11pm.

KISARAGI—Tel 481-1753. Address: 2-1, Akasaka Tamachi, Minato-ku. For delicious Kobe steak cooked in the butter-yaki style. Open 6pm-3am.

KOBE STEAK—Tel 571-8078/9. Address: 6, 7-chome, Ginza-Nishi, Chuo-ku. Steak ¥800 up. Open 11am-11pm.

RICCARS—Tel 572-2606/7. Address: basement of Riccar Bldg., 4, 6-chome Nishi Ginza. Steak house, tea room and cafeteria. Excellent steaks at moderate prices. Convenient and comfortable.

RIKI—Tel 481-8128/9. Address: 5-chome, Akasaka Shimmachi, Minato-ku. Kobe beef steaks ¥800, 1,000 & 1,800. Open from 5pm.

ROSIER—Tel 401-8778, 9696. Address: Mikawadaimachi, Minato-ku. Pleasant for post-midnight rendezvous, a last drink or a midnight snack or meal. It is neither a restaurant nor a bar but a delightful combination of both. Steaks on the menu. Prices reasonable. Open 6pm-4am.

SAKURA ROOM—Tel 231-0271. Address: Marunouchi Hotel, 1, 1-chome, Marunouchi, Chiyoda-ku. Steaks, tempura and drinks. No cover, no mini-

KOBE BEEF
 (Charcoal broiled steaks)

A specialty

Other features: Counter service
 Fine wines Pleasant atmosphere

Open 11a.m. to 10p.m. Basement of Riccar Kaikan, 6, 6-chome, Nishi Ginza, Chuo-ku, Tokyo Telephone: 572-2606/7.
steak house
RICCARS

mum. Open 12 noon-2pm, 6-9pm.
SUEHIRO—Tel 571-9271. Address: Behind the Matsuzakaya Dept. Store, 3, 6-chome, Ginza, Chuo-ku. Matsuzakaya beef steaks ¥1,000 up. Japanese rooms on 3rd, 4th, 5th & ground floors. Open 11am-10:30pm.
THE PLAYERS—Tel 402-0557. Address: Basement of Amagi Bldg., 11 Roppongi, Azabu, Minato-ku. Chic restaurant serving French and American food in delightful atmosphere. Soft dinner music. Open 6pm-3am.

Sukiyaki

ASAHI—Tel 571-9271. Address: 6th flr., Suehiro Bldg., behind Matsuzakaya Dept. Store, 6-chome, Ginza. Sukiyaki ¥1,000-1,800. Western style room. Open 11am-10:30pm.
DOH-HANA—Tel 831-5973. Address: 7, Kita-Daimoncho, Taito-ku. Established reputation for good service, delightful Japanese rooms and beautiful

garden. Food of unusually high quality. Lunch and dinner ¥1,200 up. Open 11:30am-10pm.

HOUSE OF GENJI, Tokyo Hilton Hotel—Tel. 581-4511. Address: 57, 2-chome, Nagatacho. Sukiyaki, tempura and Japanese barbecue. Lunch & dinner ¥1,800. Open 11am-3pm; 6-10pm.

KEGON—Tel 371-2221/3. Address: 39, 1-chome, Yoyogi, Shibuya-ku. Features excellent sukiyaki and tempura in real Japanese rooms at ¥1,500 per person. Open 12 noon-10pm.

RANGETSU—Tel 561-2313. Address: 2, 3-chome, Ginza, Chuo-ku. Sukiyaki of Matsuzakaya beef and other Japanese dishes in Japanese rooms or at tables. Dinner ¥500-1,000. Open 11am-9:30pm.

SKY ROOM, Hotel Nikko—Tel 571-4911. Address: 1, 8-chome, Ginza-Nishi, Chuo-ku. Sukiyaki lunch and dinner ¥1,000, 11:30am-9pm.

SUEHIRO—Tel 571-9271. Address: Behind the Matsuzakaya Dept. Store, 6-chome, Ginza. Sukiyaki ¥1,000-1,800. Open 11am-10:30pm.

SUKIYAKI ROOM, Imperial Hotel—Tel 591-3141. Address: Main Bldg., Imperial Hotel, Uchisaiwaicho, Chiyoda-ku. Lunch ¥1,200, 12 noon-2pm; dinner ¥1,500, 5:30-9pm.

SUKIYAKI, Palace Hotel—Tel 211-5211. Address: Basement, Palace Hotel, 1-chome, Marunouchi, Chiyoda-ku. Sukiyaki at its best in Japanese atmosphere. Lunch & dinner ¥1,300, 11:30 am-2pm; 5-9pm.

SUKIYAKI MANSEI—Tel 351-4789. Address: 6, Arakicho, Yotsuya, Shinjuku-ku. Sukiyaki ¥900, ¥1,300. Also sizzling steaks for ¥1,000. "Jab-Jab" beef dinner ¥1,000. No charge for private Japanese rooms. Mrs. Kojima, manager. Open 12 noon-10pm.

YAMAZATO—Tel 481-8011. Address: 2nd flr., Hotel Okura, 3, Akasaka Aiocho, Minato-ku. Sukiyaki and other Japanese dishes. Open for breakfast

7am-9:30am; lunch 11:30am-2:30pm; dinner 5:30-10pm.

YOKOHAMA PRINCE—Tel. 3-6631. Masaka, Isogomachi, Isogo-ku. Special Sukiyaki dinners arranged. ¥1,000. Please call in advance for reservation.

Swiss

CONTINENTAL ROOM, Hotel Okura—Tel 481-8011. Address: 3, Akasaka Aiocho, Minato-ku. Swiss fondue a specialty. Open 11:30am to 2:30pm, 5:30pm to 10pm.

Tempura

AKASAKA PRINCE—Tel. 332-5151/8. Address: Kioi-cho, Chiyoda-ku. Tempura served daily from 11:00 am until 8:00 pm. ¥1,200 and ¥1,500. Traditional Japanese decor.

AZABU PRINCE—Tel. 473-1111/7. Address: 106, Azabu-Honmura-cho, Minato-ku. Tempura served for lunch and dinner. Open 11:00 am, closes 9:00 pm. Service at traditional counter or in beautiful tatami room. ¥1,200 and ¥1,500.

DOH-HANA—Tel 831-5509. Address: 7, Kitadaimoncho, Taito-ku. Lunch and dinner ¥1,000 up. Open 11am-10pm.

HANACHO—Tel 671-6271/2. Address: 29, 2-chome, Hamacho, Chuo-ku. Picturesque restaurant duplicating the atmosphere, customs and recipes of old Japan. Lovely Japanese rooms. Lunch and dinner ¥1,300. Open 12 noon-9:30 pm.

HOUSE OF GENJI, Tokyo Hilton Hotel—Tel. 581-4511. Address: 57, 2-chome, Nagatacho, Chiyoda-ku. Tempura, sukiyaki and Japanese barbecue. Lunch & dinner ¥1,800. Open 11am-3pm; 6-10pm.

MATSUBAYA—Tel 872-1937, 6271. Address: 8, 1-chome, Shin-Yoshiwara Edomachi, Asakusa, Taito-ku. Traditional tempura or sukiyaki served while enjoying colorful show of lovely Oiran. Open 6-11pm.

KOBE BEEF RIKI STEAK HOUSE

Try the world-famous Kobe Beef shipped by air from Kobe daily



Open daily 5 pm - 2 am
 32, 5-chome, Akasaka Shinmachi
 Tel. 481-8120, 8128/9
 For taxi: リキ ステーキハウス



World-Famous

Tempura Ten-ichi

Ginza: 1-5, Ginza-Nishi, Tokyo
 Tel: 571-1272, 1949
 Akasaka: 3-2, Akasaka Shinmachi
 Tel: 481-0107

Where to dine?

5 minutes walk from the Imperial Hotel
 For Taxi: 丸の内線有明ビル隣り千代田ビル内
MARUNOUCHI KAIKAN GRILL
 Chiyoda Bldg., 2-chome, Marunouchi
 Open daily 10am-9pm Tel: 211-5771, 4



MIHARA — Tel 571-2588. Address: Basement, Isami Kalkan, 8-chome, Namikidori, Ginza, Chuo-ku. Offering typical Japanese tempura served piping hot before your eye. Reasonable prices. Lunch ¥1,000, dinner ¥1,200 up. Open 12 noon-9:30pm.

TAKANAWA PRINCE—Tel. 441-4121/8. Address: Takanawa, Minami-cho, Minato-ku. Delicious tempura daily from 11:00 am until 10:00 pm. ¥1,200. Charming surroundings.

TAKANE—Tel 541-6585. Address: 6, 4-chome, Tsukiji, Chuo-ku. Tokyo's most famous Japanese tempura restaurant. Traditional and refined Japanese atmosphere. Tasty tempura served by pretty waitresses in beautiful kimono.

TEMPURA ROOM, Imperial Hotel — Hotel 591-3141. Address: Main Bldg., Imperial Hotel. Lunch ¥1,200 and dinner ¥1,400. Open 12 noon-2pm, 5:30-9pm.

TEMPURA ROOM, Palace Hotel — Tel 211-5211. Address: Basement of Palace Hotel, 1-chome, Marunouchi, Chiyoda-ku. Tempura served in delightful Japanese room. Lunch & dinner ¥1,300. Open 11:30am-2pm 5-9pm.

TEMPURA BAR, Hotel Yamato — Tel 408-5600, 5675. Address: 12, Azabu Shin-Ryudo-cho, Minato-ku. Delicious tempura at the cheapest price—a flat ¥900. Open 12 noon-1am.

TENFUJI—Tel 501-5511. 3rd floor of Hotel New Japan, 29, Nagatacho, Chiyoda-ku. Lunch 11am-2pm, ¥800; dinner 5-10pm, ¥1,200.

TEN-ICHI—Tel 571-1272, 1949. Address: 1, 5-chome, Ginza-Nishi, Chuo-ku. Best tempura restaurant in Tokyo located near the Sukiya-bashi intersection. Delicious tempura served in Japanese-style rooms or at conventional tables. Lunch, dinner ¥1,000 up. Open 12 noon-9:30pm. Branch—Tel 481-0107. Address: 3, 2-chome, Akasaka Shimmachi, Minato-ku. Ginza 6-chome Branch—Tel 571-4730. Address: Basement, Nicholas Bldg., Namiki-dori, 6-chome, Ginza, Chuo-ku.

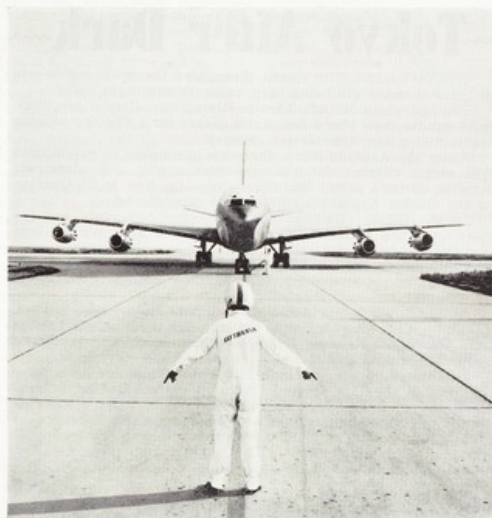
YAMAZATO — Tel 481-8011. Address: 4th floor of Hotel Okura. Tempura and other Japanese dishes. Breakfast 7-9:30am; lunch 11:30am-2:30pm; dinner 5:30-10pm.

Tropical

POLYNESIAN—Tel 501-5511. Address: Hotel New Japan, 2-chome, Nagatacho, Chiyoda-ku. Exciting Polynesian food and drinks in authentic South Pacific atmosphere. Lunch ¥600-800 and dinner ¥800-2,000. A la carte ¥400. up. Open 12 noon-3pm, 5:30-11pm.

Wild Game

AKAHANE—Tel 481-4023, 4014. Address: Fukuyoshicho, Minato-ku. Wild duck and other game cuisine. Open 12 noon-8pm. Closed Sundays.



From every point of view

Lufthansa's right on line! And here, nearing take-off time, is one of the fast Boeing jets that Lufthansa flies on its worldwide network. A network that serves five continents with connections to the smallest corner of the globe. This, and a service that's unsurpassed, is the reason why people say "Lufthansa"—from every point of view.

■ Contact your IATA Travel Agent for details.

U.S.A. ← FRANKFURT CAIRO DHAHRAN DELHI BANGKOK TOKYO
ROME KUWAIT KARACHI CALCUTTA HONG KONG



Lufthansa

GERMAN AIRLINES

TOKYO — 501-6471/5 OSAKA — 341-4831/3 NAGOYA — 55-5151/8

Tokyo After Dark

TOKYO night life is known throughout the world. Nowhere are there so many glittering bars, cabarets and night clubs.

The big, plush Mikado Theatre-Restaurant offers a scintillating 90-minute show plus a five-course dinner for a ¥2,500 minimum (not including tax and service charge).

Along the Akasaka Strip, there are a number of magnificent night clubs, offering international floor shows and glamorous hostesses, all for a price. The Copacabana, the New Latin Quarter and the Golden Akasaka all have their own clientele.

In the Ginza, cabarets which welcome foreigners are the Crown and Monte Carlo. They usually offer a 30-minute floor show and hundreds of hostesses.

The Nikkatsu Family Club is Tokyo's only membership nightclub. They accept special guests from their own Nikkatsu Hotel and from the Imperial Hotel.

All of the big hotels have their own bars and cocktail lounges. Favorites are the Phoenix Bar at the Imperial, the Starlight Lounge at the Okura, the Samurai Bar at the Marunouchi and the Li-Po Bar at the Tokyo Hilton.

Japanese bars are like clubs. Clientel is limited to regular customers. Unless the foreign visitor is accompanied by a Japanese friend, it is best that he stay away. Most bars operate on a credit system and the prices are fairly expensive. Beware of street touts who try to lure unsuspecting foreigners into "no-cover, no-tip" establishments. They are tourist traps.

At the Hotels

CAFE TERRACE, Imperial Hotel—Tel. 591-3141. Address: Uchisaiwaicho, Chiyoda-ku. Eleven-piece Imperial Hotel Orchestra plays from 6pm to 11pm nightly except Sundays. Food served from 10am until midnight.

GINZA TOKYU HOTEL—Tel. 541-2411. Address: 5, 5-chome, Ginza-Higashi, Chuo-ku. Piano music in the Main Dining Room on the ground floor from 6pm on Saturdays.

NIKKATSU FAMILY CLUB—Tel. 281-2123. Address: 4th floor, Marunouchi Nikkatsu Theater Bldg., Yurakucho, Chiyoda-ku, only a block from the Nikkatsu Hotel. Very respectable and prices are moderate. In addition to the ¥500 cover charge, the price for drinks and the food are on par as the

hotel. There are two floor shows nightly at 8pm and 9:30pm by the Nikkatsu Family Club dancing team. Music is provided by Shinichi Matsuda's The Man with the Horn, one of the best in city. During intervals, S. Numata plays on the Hammond Organ. For a quiet evening out, with a hotel-type dinner plus entertainment, the Nikkatsu Family Club is recommended. It's open from 6pm until 11:30pm. There are hostesses, if desired. The Nikkatsu Family Club, the largest exclusive nightclub in Japan, is open only to members and their guests as well as hotel guests at the Nikkatsu and Imperial who must make reservations through the front desk of their hotel. They will be charged the regular ¥500 cover. Bar Lounge from 4pm.

LI-PO BAR, Tokyo Hilton Hotel—Tel. 581-4511. Address: 57, 2-chome, Nagatacho, Chiyoda-ku. Oriental cocktail lounge and bar with piano music nightly. Open 12 noon-3am.

PRINCE NITE SPOT, Takanawa Prince Hotel—Tel. 441-4121/8. Address: 27, Takanawa Minamicho, Minato-ku.

A supper club offering dinner music by Jun Sugihara and his East Sounds and Hideo Maki's Los Flamingo. Overlooks Tokyo Bay over spacious hotel garden. Only a la carte service from ¥350 and up, drink: ¥250 up. Cover charge ¥300. Open 8pm-3am.

SAMURAI BAR AND LOUNGE—Tel. 231-0271. Address: 1, 1-chome, Marunouchi, Chiyoda-ku. Unique hotel bar decorated in feudal style. Bar open 11am-11pm, lounge 10am-11pm. Soft drinks and snack also available.

STAR HILL CLUB, Tokyo Hilton Hotel—Tel. 581-4511. Address: 57, 2-chome, Nagatacho, Chiyoda-ku. Elegant evening restaurant and supper club

featuring music from 9pm till closing. Open daily from 9pm till closing. Special si. charge ¥1,200. At 9:30pm, with guest early show from every two weeks, except Sundays.

STAR LITE GRILL ROOM—Tel. 441-4121/8. Address: 27, Takanawa Minamicho, Minato-ku.

English-speaking Grand—Tel. 441-4121/8. Member of Express. kohama, S. Matsuda and h. ant New Grand Ensemble play semi-

and modern jazz for dancing from 10pm until 10pm nightly except Monday Dinner ¥1,000. Also a la carte. Drinks ¥200 up.

STARLIGHT LOUNGE, Hotel Okura—Tel. 481-8011. Address: 3, Akasaka Aiocho, Minato-ku. Cocktail lounge with an unrivalled view of Tokyo skyline. Combo music from 6pm to 11pm. Open 11:30am-1am. Sundays till 12 midnight. Drinks ¥250 up.

Cabarets, Night Clubs
CLUB FLAMINGO—Tel. 301-1001, 0548. Address: 5, 3-chome, Kudan, Chiyoda-

Japan's Most Amazing Nite Spot

Nowhere in Tokyo
can you spend
so glorious an evening
Showtime 9:00, 10:30



SEE YOU AT THE OLYMPICS

37

ku. Outstanding Chinese cuisine Cover charge ¥500; ¥250 before 10pm. Open 5pm-3am.

CLUB MARUNOUCHI—Tel 231-0622/3, 1082. Address: Basement of Nomura Bldg., 2, 2-chome Ohtemachi, Chiyoda-ku. Chinese cuisine. Two shows nightly at 9pm and 11pm. Harry Fukumoto's Music Vendors. Cover charge ¥500 (before 9pm), ¥1,000 (after 9pm). No cover charge for dinner before 9pm. Open until midnight.

CROWN—Tel 571-3982. Address: 6-chome, Ginza-Nishi, Chuo-ku. New decor, new system. Hostesses are ¥1,800 for the evening. The management advertises a no-tip policy. Cover charge ¥1,000. International floor shows at 9pm and 10:30pm. Music by Yasushi Ashida and his Melonotes alternating with Junichi Nakamura and his Hungry Eyes. Open 6-11:45pm. **COPACABANA**—Tel 481-5806, 5858. Address: 12, 4-chome, Akasaka Tamachi, Minato-ku. Perhaps one of Tokyo's



"Care for the 'Dinner Special'?"
—EPS

Welcome Foreigners!!
Charming Hostesses
at your service
No table and hostesses charge

CLUB BOHEMIAN
Call 461-1384
Open 6pm-11:45pm
In front of Theater SS
Dogenzaka, Shibuya
For Taxi: 渋谷道玄坂サウスビルSS前

Drink ¥200-500
Large Beer ¥250

most popular nightclubs. Downstairs at the Copa, there's usually a good show—the best in imported acts plus periodical offerings of unusual Japanese talent. Madame Cherry keeps a tight rein on the hostesses who remain discreetly out of sight up stairs on the ground floor. Hostess charge ¥1,000 an hour. There's also a comfortable bar near the hostess pool. On the second floor, through a separate entrance, there's Club Little Copa, one of the best restaurants in town. Your American Express credit cards are good here. Showtime at 9:30pm and 11pm. Open 6pm to 12 midnight. Cover charge ¥1,500.

GASLIGHT—Tel. 481-2774, 2798. Address: Amerex Bldg., 1, Ikura-Katamachi, Azabu, Minato-ku. Dining or late evening snacks in the authentic setting of America's Golden Era—the gay 90's. Open from 5pm-4am.

GOLDEN AKASAKA—Tel 481-8696. Address: 5, 2-chome, Akasaka Tama-

chi, Minato-ku. High society club. 5:30pm-8:30pm, ¥3,600 per couple; 8:30-11:30pm, ¥2,000 cover charge. Three shows nightly from 8, 9:45 & 11pm. Drinks in Jewel Lobby ¥300 up, Hongkong Chinese Restaurant in basement.

HAWAIIAN ROOM (Viking Room), Diamond Hotel—Tel 301-3251. Address: 25, Ichibancho, Kojimachi, Chiyoda-ku. Features Hawaiian band from 8pm. No cover charge. Member of Diners' Club, American Express.

MANUELA—Tel 591-0635. Address: Basement of Hibiya Bldg., Shiba Tamuracho, Minato-ku. Charcoal grill. Open daily 6pm-2am. Member Diners' Club, American Express. Cover charge ¥700.

MONTE CARLO—Tel 571-5671. Address: 7-chome, Ginza-Nishi, Chuo-ku. A cabaret-style night spot catering mainly for the Japanese but a good many foreigners like the atmosphere. The management provides a good floor show, usually one of the touring foreign acts. Leading Japanese jazz band provide the music. Floor shows at 9 & 10:30. Minimum cover charge ¥1,000 and plenty of hostesses at ¥1,000 an hour. Open 6-11:45pm. Member of Diners' Club.

NEW LATIN QUARTER—Tel 581-1326. Address: 29, Nagatacho, Chiyoda-ku, in the basement of Hotel New Japan in Akasaka. Proclaims itself as "the Nightclub of Tokyo." Competition in keen along the "Akasaka Strip" and the New Latin Quarter imports a lot of its own shows. Hostesses are conspicuous and plentiful for ¥1,000 an hour. Cover charge is ¥1,500 and sometime higher depending on the headliners. Open 6:30-11:30pm Shows at 9pm and 11pm. Member of Diners' Club and American Express.

PAPAGAYO (Bohemians Club)—Tel 501-9604, 5306. Address: Toranomon Sangyo Bldg., 1, Kotohiracho, Minato-ku. Offers daring nude floor shows

continuously daily from 9pm till closing time. Cover charge ¥1,200. At bar ¥500. Special early show from 6:30pm to 7pm, except Sundays. Cover charge ¥500. English-speaking hostesses. Mexican dishes. Member of Diners' Club and American Express.

Theatre-Restaurant

MIKADO—Tel 481-1101. Address: Akasaka Shimmachi, Minato-ku. Lavish theatre-restaurant seating over 1,000. Minimum charge 2,500. Full-course dinner served from 5pm to midnight with choice of steak, chicken or lobster. Also a la carte menu. Two 90-minute shows nightly at 5pm and

CLUB KAGA

Graceful Japanese Customs
Be entertained in the Japanese way
by charming English-speaking
hostesses
wearing Kimono

Open Daily 5p.m. to 11p.m.
5, 6-chome, Ginza Tel: 571-7821
銀座松坂屋ウラスエヒロ前 百万石

TOKYO'S MOST DARING FLOOR SHOWS

- ★ Starting 9 p.m. continuously.
- ★ Restaurant service with reputation.
- ★ Oldest and best known night club in Tokyo—operating for over 10 years.

PAPAGAYO Telephones:
501-5306/7

1, Kotohira-cho, Shiba at Toranomon streetcar crossing
For Taxi: 虎の門電停角虎の門産業ビル内



"Look, Man, for a lousy fifteen cent beer I don't feel like listening to your troubles!"

—EPS

8pm. Current show features Krsmanovic Ballet from Yugoslavia. Added attraction: the unique "Dancing Fountain."

Bars, Clubs

CLUB BOHEMIAN—Tel 461-1284. Address: 18, Maruyamacho, Shibuya-ku. Cozy bar with charming English speaking hostesses. Drinks ¥200-500. No hostess charge. Open 6pm-11:45pm.

CLUB KAGA—Tel 571-7821. Address: 5, 6-chome Ginza, Chuo-ku. Japanese-style room, English-speaking hostesses. No cover, no hostess charge.

After-Midnight

HAMBURGER INN—Tel 481-6696. Address: Near the American Club, Minamian, Minatoku. For hamburgers, beer and snacks. Open all night.

NICOLA'S—Tel 431-4712. Address: Near Roppongi, Azabu, Minato-ku. Fifty varieties of pizzas, steaks and Italian dishes. Bar. Open until 4am.

ROSIER—Tel 401-8778, 9696. Address: Mikawadaimachi, Minato-ku. Pleasant for post-midnight rendezvous, a last drink or a midnight snack or meal. It is neither a restaurant nor a bar but a delightful combination of both. Open 6pm-4am.

Music Salons

ALBION—Tel 201-0747. Address: Basement, Nichigeki Theater, Yurakucho, Chiyoda-ku. Open 12 noon-11pm.

HOTEL NIKKO MUSIC SALOON—Tel 571-4911/20. Address: Basement, Hotel Nikko, Ginza Nishi, Chuo-ku. Band music from 5:30pm to 10:30pm every day. Open 5:30-10:30pm.

NEW MIMATSU—Tel 561-8686. Address: 3, 4-chome, Ginza, Chuo-ku. The largest coffee shop in the Ginza which offers jazz by three bands. Open 12 noon-11pm.

YIE-LAI-SHAN—Tel 591-4801. Address: 13, 2-chome, Shiba Tamuracho, Minato-ku. Chinese tea-room. Open 11am-11pm.

HOTELS

AKASAKA PRINCE—Tel. 332-5151/8. Address: 1 Kioi-cho, Chiyoda-ku. Completely modern facilities on former estate of Prince Lee. Beautiful lawn

with ancient Japanese shrine. Dining Room, Nishiki Chinese Buffet, Tempura Room, Bar, Dream Night Room, with music nightly, banquet rooms, swimming pool. 56 guest rooms. Rates: singles ¥2,000-2,500; twin beds ¥3,000-4,800; suites ¥6,200-12,000.

AZABU PRINCE—Tel. 473-1111/7.

Address: 106 Honmura-cho, Minato-ku. Combines modern facilities with traditional Japanese architecture, surrounded by a beautiful garden. Former estate and residence of Prince Higashi Fushimi. Dining Room, Tempura Room, Grill, Bar, Moonlight Terrace, swimming pool. (Near Chinese and French Embassies) 31 guest rooms. Rates: singles ¥1,800-4,000; twin beds ¥3,000-7,500; de luxe rooms ¥14,000.

DAI-ICHI—Tel 501-4411. Address: 32, 1-chome, Shiba Shimbashi, Minato-ku. Located in front of Shimbashi Station and convenient to downtown business areas. Dining room, coffee shop, Restaurant Cornaval, Olympia, Hakurakuten, Bar Helios and Lobby Bar. 1,300 rooms. Rates: singles ¥1,300 & 1,400 (without bath); ¥1,650-¥1,750; twins ¥2,000 (without bath); ¥2,500-4,800; doubles ¥2,500-3,100; suites ¥3,800-4,800; Japanese styles: single ¥1,500 (without bath); double ¥2,800 (without bath); ¥3,500.

DIAMOND—Tel 301-3251/5. Address: 25, Ichibancho, Kojimachi, Chiyoda-ku. In the Kojimachi residential district only five minutes from the Ginza and Shinjuku districts. All rooms with bath and shower. Comfortable atmosphere and courteous service. Parking space for 60 cars. Diamond Hanten

Chinese Restaurant, open 11am-9pm. Bar. 84 rooms. Rates: singles ¥2,700 up; doubles ¥3,200; twins ¥3,200 up; suites ¥6,500-9,000.

FAIRMONT—Tel 301-1151/9. Address: 4, Sanbancho, Chiyoda-ku. New building now open. Modern and clean accommodations in the quiet residential area behind the Imperial Palace. Dining room, bar. 90 rooms. Rates (including tax): single ¥2,511; doubles ¥3,651; twins ¥4,196; suites ¥8,392.

FUJI—Tachikawa. Tel 0425-2-3640, 2926. Address: 8, 2-chome, Akebonocho. Near main gate of Tachikawa Air Base. Completely western style. Main hotel of Hotel Sekitei in Tokyo and Atami. 18 rooms. ¥1,800 (without bath), 2,000.

GAJOEN KANKO—Tel 491-0111/5. Address: 156, 1-chome, Shimo-Meguro, Meguro-ku. Located in the quiet Meguro residential district and surrounded by a large, beautiful Japanese garden. **Dragon Room**—Chinese all you can eat system restaurant. Open noon-2pm, 5:30pm-9pm. Wedding reception facilities with Catholic church in front of hotel **Convention Room**—for business research, discussions and conferences. **Rainbow Hall** (big and small banquet rooms) available for parties and meeting from five to 300 persons. Cocktail party facilities for 600 persons. 33 rooms. Rates: singles ¥900 (without bath); double ¥2,500-3,500; twins ¥2,000 (without bath), ¥3,500-4,500.

GINZA TOKYU—Tel 541-2411. Address: 5, 5-chome, Ginza Higashi, Chuo-ku. Most up-to-date air-conditioned and sound-proofed hotel in the very heart of Tokyo. **Main Dining Room**. Open 6pm-10pm. No cover charge. **Kung Chiao T'ing** (Peacock)—Chinese buffet



One of the Quietest Hotels in Tokyo
Barber Shop: 9am-6:30pm

FAIRMONT HOTEL

Kojimachi, Tokyo Tel: 301-1151

Special Room Rates for Long-Term Guests

SAN BANCHŌ HOTEL

Near the British Embassy, Kojimachi, Tokyo

Tel: 301-3333/9

English, French and Spanish spoken



Where Tourists Feel At Home

Completely Air-Conditioned
Conveniently Located



• Enjoy really
delicious
TEMPURA
for ¥900
at our
Tempura Bar

• All rooms
with bath
• Double rooms at
¥2,750 (\$7.64)

Phones: 408-5600, 5675

HOTEL YAMATO

For taxi driver: 銀座電土町12 ハス横街角入る

service. Luncheon ¥800, dinner ¥1,200. Open daily 12 noon-2:30pm, 5:30pm-9:30pm. Grill Room features roast beef. Shopping arcade in basement. 450 rooms. Rates: singles ¥2,000-3,000; doubles ¥3,500-6,000; twins ¥3,500-5,500; deluxe suites ¥17,000-25,000.

HILLTOP—Tel 291-3227. Address: 1-chome, Kanda Surugadai, Chiyoda-ku. Located in the heart of Tokyo's university district near Ochanomizu Station behind Meiji University. Dining room, coffee shop, bar, sukiyaki and tempura rooms. 52 rooms. Rates: singles ¥1,000-1,600 (without bath), ¥2,200 (with bath); doubles ¥2,800; twins ¥2,000-2,400 (without bath), ¥2,800-3,000 (with bath); suites ¥5,000.

HOTEL OKURA—Tel 481-8011. Address: 3 Aoi-cho, Akasaka, Minato-ku. Adjacent to American Embassy and minutes from Ginza shopping district and Akasaka geisha and nightclub area. 550 luxurious air-conditioned guest rooms all with bath. 1,500 seating capacity banquet hall with international conference facilities, 25 banquet and meeting rooms. 500-car garage. Grill, seafood restaurant, coffee shop, main dining room, Japanese restaurant, Sky Lounge bar, Turkish bath, swimming pool, Japanese garden, shopping arcade. Rates: singles ¥2,900-4,900; twins ¥4,600-6,200; suites ¥15,000-20,000; Imperial Suite ¥57,000; Japanese style rooms ¥8,000-24,000; residential suites ¥230,000-400,000 per month.

HONJIN—Tel 351-0208, 3330. Address: 125, Tomihisacho, Ichigaya, Shinjuku. Modern Japanese style hotel in a castle. 55 rooms. Rates ¥2,500-6,000.

IMPERIAL—Tel 591-3141, 3151. Address: 1, 1-chome, Uchisaiwaicho, Chiyoda-ku. World famous Imperial, with its Main Building, Annex and New Buildings, is one of the largest hotels in the world. Imperial Viking for smorgasbord, Cafe Terrace for dining, Phoenix Room for dinner parties. Grill and Prunier in the Main Building.

Garden Bar, Phoenix Lounge and Skool Bar. Imperial Arcade in the basement of Main Building. 900 rooms. Rates: singles ¥2,100-4,000; doubles ¥3,400-4,500; twins ¥3,200-5,000; suites ¥7,000-20,000; Imperial suite ¥54,000.

KEGON—Tel 371-2221/3. Address: 39, 1-chome, Yoyogi, Shibuya-ku. Modern Japanese style hotel equipped with complete up-to-date facilities. All rooms with radio and TV. Dining room, 15 rooms. Rates: singles and doubles ¥2,500-9,000.

KOKUSAI KANKO—Tel 231-3181. Address: 1, 1-chome, Marunouchi. Located conveniently for transportation, business and shopping at Yaesu entrance to Tokyo Central Station. 90 rooms. Rates: singles ¥1,800 (with shower), ¥2,200 & 2,600 (with bath); doubles ¥3,400 & 4,400; twins ¥3,000 (with shower), ¥3,600 & 4,000 (with bath); suites ¥6,800. Dining room, bar and Turkish bath room.

MARUNOUCHI—Tel 231-0271. Address:

1, 1-chome, Marunouchi. Unsurpassed downtown location. Friendly atmosphere. Golden Dining Room, Bamboo Grill, Roof Garden, Sakura Room, and Samurai Bar. 214 rooms. Rates: singles ¥1,800-2,800 (with bath); twins ¥3,500-5,500; doubles ¥3,300; suites ¥4,300-10,000.

NEW JAPAN—Tel 501-5511. Address: 29, 2-chome, Nagatacho, Chiyoda-ku. Luxury hotel with Japanese ryokan service. Both western and Japanese rooms. Terrace Rainbow, Main Dining Room, Grill, Grill Villa, Polynesian Restaurant, Chinese Restaurant, Mermaid Bar, Marble Bar. 500 rooms. Rates: Japanese plan (with two meals) singles 4,000; doubles ¥3,500-5,000; European plan (without meals) singles ¥2,700; doubles and twins ¥3,600-8,000; suites ¥10,000-15,000; Royal suite ¥54,000.

NIKKO—Tel 571-4911/20. Address: 1, 8-chome, Ginza Nishi. In the heart of the Ginza. Sky Room for barbecue,

The tranquil beauty of a Japanese garden is the setting for one of Japan's most popular hotels—AZABU PRINCE



AZABU PRINCE HOTEL offers the comforts you'll expect—delicious food, and AZABU PRINCE's Personalized Service.

AZABU PRINCE HOTEL

106 Honmura-cho, Minato-ku, Tokyo
Tel. 473-1111/7



Also in Tokyo, Akasaka and
Takanawa Prince and in
Yokohama the Yokohama Prince



"But it says right outside dining, dancing, no cover."
—EPS

Music Salon in the basement. Bar and grill. 112 rooms. Rates: singles ¥1,800, 2,500; twins ¥3,500-4,000.

NIKKATSU—Tel 271-2261/7. Address: 1, 1-chome, Yurakucho. Ideal downtown location at world famous intersection overlooking the Imperial Palace Plaza. Modern and comfortable. Silver Room (main dining room), Green Room, bar. Arcade in basement. Nikkatsu Family Club. 133 rooms. Rates: singles ¥2,800; twins ¥4,000-5,000; doubles ¥4,000; suites ¥7,500-8,500 and ¥15,000.

PALACE—Tel 211-5211. Address: 10, 1-chome Marunouchi, Chiyoda-ku. Ideal site overlooking the Imperial Palace and close to the Marunouchi business section. Four specialty restaurants—The Swan Room (main dining room), the Grill and Premier, Club Gold. 450 rooms. Rates: singles ¥2,

500-3,400; doubles ¥3,400-4,200, twins ¥3,800-5,400; special ¥6,000-9,000, suites ¥25,000-40,000.

SHIBA PARK—Tel 431-4131/9. Address: 3, Rokugochi, Shiba Park, Minato-ku. Located near Shiba Park, only five minutes from the downtown, shopping and entertainment district. Dining room, grill bar. Peking Mansion Chinese restaurant. 220 rooms. Rates: single ¥1,200 (without bath); ¥2,300; doubles ¥2,600; twins ¥2,800-4,000.

SAN BANCHU—Tel 301-3333/9. Address: 2, Sanbanchu, Chiyoda-ku. A unique location overlooking the Imperial Palace. Dining Room, bar. 124 rooms. Rate: single ¥1,530-2,070; doubles ¥2,340-3,240; twins ¥2,520-3,240.

SEKITEI—Tel 467-7191. Address: 7, Shotocho, Shibuya-ku. Detached rooms and beautiful Japanese garden. Member of hotel chain which includes Yamano (Tokyo), Fuji (Tachikawa) and Sekitei (Atami). Japanese rooms available. Dining room, coffee shop and bar. 23 rooms. Rates: doubles ¥3,000-4,000. TV set in each room.

SENDAGAYA MANSION—Tel 402-8381. Address: 20, 4-chome, Sendagaya, Shibuya-ku. Suitable apartment hotel. Monthly ¥115,000 up. 30 rooms. Grill and bar. Large parking area.

TAKANAWA PRINCE—Tel. 441-4121/8. Address: 17 Takanawa, Minami-cho, Minato-ku. Close to Shinagawa Station, ten minutes from Ginza Shopping Center, 15 minutes from Haneda Airport. Completely modern facilities on former estate of Prince Takeda. Beautiful 50,000 square yard Japanese garden. Overlooks Tokyo Bay. Dining Room, Grill, Bar, Smorgasbord, Tempura Room, Rainbow Buffet, swimming pool, golf driving range, shopping arcade in lobby. 101 guest rooms. Rates: singles ¥2,300-3,500; twin beds ¥3,200-6,000; suites ¥5,000-10,000.

TOKYO GRAND—Tel 581-0451/9. Address: 1, 2-chome, Nagatacho. Located near the Government offices. Modern and comfortable. 54 rooms. Rates: singles ¥1,800-2,000; doubles ¥2,500; twins ¥3,200-3,300. Radio ¥200; TV ¥400 per day.

TOKYO HILTON—Tel 581-4511. Address: 2-57 Nagatacho, Chiyoda-ku. 500 airconditioned rooms. Keyaki Grill—rotisserie and grill restaurant; Origami Coffee House—attractive food at reasonable prices round the clock; Star Hill Club—elegant evening restaurant and supper club features french cuisine and music by candlelight; House of Genji—Japanese restaurant offering tempura, sukiyaki and Japanese barbecue; Li-Po Bar—Oriental cocktail lounge and bar featuring piano music nightly; Tea Lounge off main lobby features traditional Japanese tea ceremony at five o'clock. Pearl Ball room—with accommodations for 1,500 persons. Rate: singles ¥2,800 up; doubles ¥4,000; twins ¥4,500; suites ¥14,000.

TOKYO STATION—Tel 231-2511/7. Address: 1, 2-chome, Marunouchi. In the Tokyo Central Station Bldg. Dining Room, coffee shop and bar. 60 rooms. Rates: singles ¥1,200-2,000 (without bath), ¥2,500-3,000; twins ¥1,700-2,500 (without bath), ¥3,300-3,800; doubles ¥3,300; suite ¥5,700.

TOSHI CENTER—Tel 331-5501. Address: 6, 2-chome, Hirakawacho, Chiyoda-ku. Quiet, secluded, near the Government center. Dining room, grill, bar, Japanese tempura and sukiyaki rooms. 55 rooms. Rates: singles ¥1,900 up (without bath), ¥2,500; twin ¥2,500 (without bath), ¥3,300-4,500.

YAMANO HOTEL—Tel 461-2400/1. Address: 503, 8-chome, Kami-Meguro, Meguro-ku. Quiet surroundings on a hill Old Japanese tea room. Branch of Hotel Sekitei. 24 rooms. Rates: double ¥2,500-3,400.

YAMATO—Tel 408-5600, 5675. Address: Ryudocho, Minato-ku (Near

Most Convenient
In the heart of Tokyo
(In front of Tokyo Station)

Cable:
KOKUSAI HOTEL,
Tokyo
Telephone:
231-3281



HOTEL KOKUSAI KANKO
Marunouchi, Chiyoda-ku, Tokyo

Modern & Quiet

The ultramodern
hotel in a
historical city.
Located in front
of Nijo Castle.



International Hotel Kyoto
For reservations, call 231-3181

SILK HOTEL YOKOHAMA

- Japan's Most Reasonable, Convenient Hotel
- Completely Air-Conditioned

Single w/shower \$4.17 up
Double w/bath \$7.50 up
Twin w/bath \$7.80 up



For reservations, call Yokohama 64-0961/6

Star Lite Grill Room

Known for its fine food and unparalleled view of the harbor.
Visit our new cocktail lounge overlooking Yokohama Harbor.
Dance music by S. Masada and his orchestra.



HOTEL NEW GRAND
Phone: Yokohama 68-1841/8

former Hardy Barracks). Conveniently located in the Roppongi area. Completely air-conditioned. Dining room, coffee shop, bar, tempura room. 19 rooms. Rates: doubles ¥2,750.

Yokohama

HOTEL NEW GRAND—Tel Yokohama 68-1841/7. Address: 10, Yamashitacho, Yokohama. Yokohama's premier hotel with a fine view overlooking the harbor. **Star Lite Grill Room** is noted for its fine food. Dining room, bar. 94 rooms. Rates: singles ¥1,300-3,000; doubles ¥3,000-4,800; ¥2,500 (with shower); suites ¥9,000.

SILK HOTEL—Tel Yokohama 64-0961. Address: 1, Yamashitacho, Yokohama. Atop the new Silk Center in front of South Pier. Panoramic view of the ocean front. Dining room. 81 rooms. Rates: singles ¥1,500 (with shower), ¥1,800-2,000; doubles ¥2,700-4,000; twins ¥2,800-5,000; apartments with kitchenettes ¥100,000 per month.

YOKOHAMA PRINCE—Tel. Yokohama 75-1381. Address: 1202 Masaka, Isogo-machi, Isogo-ku, Yokohama. Situated on a high bluff overlooking Yokohama, away from noise and traffic. Restful and dignified surroundings on former estate of Prince Masaki Fujita. Beautiful garden. Dining Room, Grill, Cocktails, Sukiyaki (by reservations only), etc. 36 guest rooms, all with private bath. Rates: singles ¥2,800 up; twin beds ¥3,500-10,000. Japanese style (tatami) rooms ¥3,000.

YOKOHAMA TOKYU—Tel Yokohama 44-7061. Address: 1-chome, Minami Saiwai-cho, Nishi-ku. Located at Yokohama Central Station, the Yokohama Tokyu is close to all transportation—air, sea and rail. Dining Room, Cocktail Lounge, Snack Bar "West End," Tempura Tenkichi. 90 rooms. Rates: single ¥1,800; twins ¥3,400-5,000, semi-Japanese ¥3,600-4,200; and suites 5,000.

Hilton Hotels

At Your Service In Asia and the Pacific!



Hilton Hawaiian Village

The most fun in all Hawaii is waiting for you... at the Hilton Hawaiian Village. Relax in the sun on Waikiki's most beautiful beach... Stroll at leisure through the Village's 18 tropical acres... Visit the 50 shops, the night clubs and the restaurants... Enjoy beachside cocktails, fishing, dancing! Swimming pools, air-conditioned guest rooms, Japanese speaking staff, ensure your complete comfort. Rooms from \$11.50 single, \$16.00 double.



Hongkong Hilton

Largest and most dramatic hotel in the Far East, the Hongkong Hilton is centrally located on Hong Kong Island, in the heart of the Crown Colony's social and commercial life. There are 900 air-conditioned rooms and suites, all with fabulous views of the harbor or The Peak, five restaurants, including a 25th floor supper club, four strikingly decorated cocktail lounges, an 80-foot outdoor swimming pool, Oriental garden, and the Hotel's own island-cruising brigantine. More than 50 of Hong Kong's leading shops are located in the air-conditioned arcade. Rooms from approx. US\$10 single; US\$14 double.



Tokyo Hilton

The newly opened Tokyo Hilton combines Japanese decor with western management and international cuisine. Japanese features include the delightful, Kyoto-style garden, the Wedding Ceremony room, the Genji restaurant and the Tea Ceremony corner of the Tea Lounge. Guests enjoy 24 hours of air-conditioned comfort, swimming pool facilities, and the shopping convenience of the hotel's international arcade. The Star Hill Club, the Keyaki Grill, the Origami Coffee House and the exotic Lipo Bar offer the best foods and drinks in Tokyo. Rooms from \$7.80 single, \$11.20 double.

For reservations at the Tokyo Hilton, or at any Hilton Hotel, see your travel agent, or call the Hilton Reservations Office in Tokyo... (581) 4567-9

Shopping in Japan

THERE are so many things to buy in Japan that the visitor had best set aside a good day or two for shopping. Some of the more popular items are cameras, binoculars, transistor radios, pearls, kimonos, woodcut prints and dolls.

The arcades of the major hotels in Tokyo, Kyoto and Osaka as well as the big department stores will satisfy the needs of most travelers. The best shops are represented in the major hotel arcades and the English-speaking clerks will handle your requests promptly and efficiently. Prices are competitive and quality without question.

Be sure to deal only with reputable, recognized shops such as are listed in the columns of this magazine.

ARCADES

GINZA TOKYU HOTEL ARCADE—Tel 541-2411. Address: 5, 5-chome, Ginza Higashi, Chuo-ku. Has a number of specialty shops for the convenience of its guests. Open 9am-8pm.

HOTEL NEW JAPAN ARCADE—Tel 501-5511. Address: 2-chome, Nagatacho, Chiyoda-ku. Open 10am-7:30pm.

HOTEL OKURA ARCADE—Tel 481-8011. Address: 3 Akasaka Aioicho, Minato-ku. 17 shops.

IMPERIAL HOTEL ARCADE—Tel 591-3141. Address: Uchisaiwaicho, Chiyoda-ku. The oldest shopping center in Tokyo. There are 21 specialty shops representing the best stores in town. Open 10am-7pm.

INTERNATIONAL ARCADE—Tel 591-8668. Address: 1, 1-chome, Uchisaiwaicho, Chiyoda-ku. 24 specialty shops. Open 10am-8pm.

NIKKATSU ARCADE—Tel 271-4527. Address: Nikkatsu Bldg., Yurakucho. Consists of 30 specialty shops. Open 10am-7pm.

PALACE HOTEL ARCADE—Tel 211-5211. Address: 1-chome, Marunouchi, Chiyoda-ku. 20 shops offer quality goods for ideal souvenirs of Japan. Open 10am-7pm.

SUKIYABASHI SHOPPING CENTER—Tel 571-0495. Address: 5-chome, Ginza-Nishi, Chuo-ku. 62 specialty shops

on first and second floors, and 23 restaurants and coffee shops on the ground floor and first floors. Open 10am-9pm.

TOKYO GATEWAY SHOP—Tel 741-3261. Address: Tokyo International Airport. Offers the best souvenirs of Japan at standard retail prices. After passing through customs, these goods can be purchased in dollars or pounds. Open 7am-2am.

DEPARTMENT STORES

DAIMARU—Tel 231-8011. Address: Tokyo Station Bldg., 1-chome, Marunouchi. One of the biggest department stores in Tokyo. Main store in Osaka. Open 10am-6pm. Closed Thursdays.

HANKYU—Tel 572-0301. Address: Matsuda Bldg., 2, 5-chome, Ginza Nishi. A major Osaka department store with a Ginza branch store featuring lady's finery. Open 10am-6pm. Closed Mondays.

ISETAN—Tel 369-1111. Address: 8, 3-chome, Shinjuku. Shinjuku's biggest department store, features "Imperial Silk Salon" selling luxurious ready-to-wear pure silk dresses, designed and sized in America. There's a private parking building. Open 10am-6pm. Closed Mondays.

KOMATSU—Tel 571-7721. Address: 2, 6-chome, Ginza. Modern department

store on the Ginza, known for its attractive goods. Open 10:30am-7pm. Closed Mondays.

MATSUYA—Tel 561-3111. Address: 1, 3-chome, Ginza. Features "Good Design Corner" on 7th floor, displaying family goods, furniture, bamboo ware, pottery. Also elected general goods. Open 10am-6pm. Branch in Asakusa. Closed Thursdays.

MATSUZAKAYA—Tel 572-1111. Address: 1, 6-chome, Ginza. Unique Japanese goods in modern settings. The main store in Ueno. Open 10am-6pm. Closed Mondays.

MITSUKOSHI—Tel 241-3311. Address: Nihombashi Muromachi, Chuo-ku. The Orient's biggest department store, offering a complete stock of both domestic and imported goods. Open 10am-5:30pm. Closed Mondays. Also branches in Ginza, Shinjuku, Ikebukuro and Marunouchi.

ODAKYU—Tel 362-1111. Address: 72, 2-chome, Tsunohazu, Shinjuku. Tokyo's newest, modern department store.

Open 10am to 6pm, weekdays, 10am to 6:30pm Sundays. Closed Thursdays.

SEIBU—Tel 982-0111. Address: Ikebukuro Station Bldg., Ikebukuro. A mammoth department store with the largest floor space in Japan. Open 10am-6pm. Closed Thursdays.

SHIROKIYA—Tel 211-0511. Address: 9, 1-chome, Nihombashi-dori, Chuo-ku. Features special display room on 5th floor, lined with Arita, Kiyomizu, Seto and other famous pottery; lacquerware and bamboo craft. Open 10am-6pm. Closed Thursdays.

TAKASHIMAYA—Tel 211-4111. Address: 5, 2-chome, Nihombashi-dori, Chuo-ku. A leading department store in Tokyo. Member American Express. Open 10am-6pm. Branch in Yokohama. Closed Mondays.

TOYOKO—Tel 461-1181. Address: Shikuya. One of Tokyo's best suburban department stores. Woodcut prints by famed Shiko Munakata are on display and sale. Open 10am-6pm. Branch in Ikebukuro. Closed Thursdays.

MITSUKOSHI—

for All your shopping in Japan



Your shopping worries are over when you discover the Nihonbashi Main Store of Mitsukoshi, Japan's leading department store chain. Souvenirs, gifts, clothing, daily necessities and more are all under one roof.

Overseas gifts can be shipped direct from the store.



MITSUKOSHI
LEADING DEPARTMENT STORE IN THE ORIENT

Telephone 1: TOKYO 270-3111, 241-3311
MAIN STORE: 7-1, MUROMACHI, NIHONBASHI, CHUO-KU, TOKYO

SEE YOU AT THE OLYMPICS

NO TAX for tourists



EST. 1884
Closed Sundays
IN FRONT OF THE IMPERIAL HOTEL ANNEX
Open daily 9:30am-6:30pm Tel: 591-5610
For Taxi: 東宝会館ガード裏り隔り



SHOPPING ARCADE

First Floor

17 shops selling outstanding Japanese products on the first floor; barber shop and beauty salon on the second floor; florist on the main lobby floor.

3, Akasaka Aiocho, Minato-ku
Tokyo (Next to U.S. Embassy)
Telephone: 481-8011

WAKO—Tel 561-8451. Address 4-chome, Ginza. A luxury department store dealing in only expensive Japanese and imported goods. Open 10am-5:30pm. Closed Sundays and holidays.

ANTIQUES, ART GOODS

YANAGAWA—Tel 408-3325, 402-2685. Address: 136, Aoyama Minamicho 6-chome, Akasaka, Minato-ku. An ultra-modern store along antique row, immediately catches your eye and the selected objet d'art will surely put you in a shopping mood. Hanging scrolls, displayed in a special showroom are a specialty of this store. Ample private parking space is available. Ask for "Jimmy-san," the owner. He speaks very good English and is a delightful person to spend an hour with talking "antiques." Open 9am-9pm. Closed every third Sunday. Member of Diners' Club.

YOKOYAMA—Tel 571-8074, 2nd flr., Sukiya-bashi Shopping Center, Tokyo. Also Hotel New Japan Arcade, Nagata-cho, Chiyoda-ku, Tokyo. Tel 501-5511, ext. 334. Main store: Nawate, Kyoto. Ancient and modern works of art. Open 9am-8:30pm.

YUSHIMA SEIDO—Tel 811-4606, 813-1706/7. Address: 2, Yushima, Bunkyo-ku. Near Ochanomizu Station. Located in that fascinating part of Tokyo where lovers and curio collectors flock to pick up a lot for a little or a little for a lot. This store specializes in old works of art, including books, painting, carvings and bric-a-brac. Don't miss the special sale every Saturday and Sunday. Open 9am-9pm.

BEADED EVENING BAGS

MAYUYAMA—Tel 591-6655. Address: Imperial Hotel Arcade, Uchisaiwaicho. Perhaps the only quality beaded bags for both evening and daytime wear. A wide assortment of single color or intricately inlaid designs in cut and cavia beads on display. Branch—Tel 271-4853. Address: Nikkatsu Arcade, Nikkatsu Bldg., Yurakucho. Open 9:15 am-7pm.

BOOKS, PERIODICALS

IMPERIAL HOTEL BOOK SHOP—Tel 591-3141. Ext. 60. Address: Lobby. Main Building of the hotel, Uchisaiwaicho. A convenient place to look for latest magazines, best selling novels, whodunits. Plus many books, monthlies, etc., on Japan with subjects ranging from cooking to karate. Open 9:30am-8pm. Sundays 11am-5pm.

JENA—Tel 571-2980. Address: 4, 5-chome, Ginza. Deals exclusively in English publications. Thus you are not far away from your favorite authors or journalists. Open 11am-9pm.

CAMERAS

That Japanese cameras are excellent comes as news to nobody. All you have to do is go to a reputable dealer who will stand behind the stuff he sells with after-service. Then go ahead and enjoy your camera made in Japan. It has been carefully built by some of the best craftsmanship in the world.

ASANUMA—Tel 201-3953. Address: Marunouchi Bldg., Chiyoda-ku. All photographic needs. Cameras and accessories also transistor radios. Color films developed. Open 9am-6pm.

FUJIKOSHI—Tel 241-7557. Address: 2, 3-chome Nihombashi Muromachi. Open 9:30am-7:30pm. In Hotel New Japan Arcade. Tel 501-5511.

FUTAMI—Tel 561-0636, 0846. Address: 2, 4-chome, Ginza. Boasts of a large selection of the finest cameras, photo equipment, binoculars and transistor radios. Service is excellent. Tax exemption for tourists. Member American Express, Diners' Club. Authorized money changer. Open 9:30am-7pm.

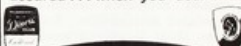
GINZA CAMERA CO.—Tel 561-2330. 6010. Address: 5, 4-chome, Ginza. This shop features exclusively all Canon products. Open 9am-7pm.

GINZA SUKIYA—Tel 571-5555. Address: 5, 5-chome, Ginza Nishi. Always carries the latest photographic equipment. Another service unique to the shop is their camera trade-in section. Several good buys are current-



BEST BARGAIN

assured... when you deal with



TAX-FREE FOR TOURISTS
Authorized MONEY CHANGER

In Sukiya-bashi Shopping Center
Tel: 571-6869
Only 1 minute walk from
Imperial Hotel & Nikkatsu Hotel
Hotel Okura Arcade. Tel: 581-9654
Next to the U.S. Embassy

FOR TOURISTS



NO CAMERAS & TAX BINOCULARS

Precision Surveying
Instruments Microscopes,
Telescopes Glasses Optically
Fitted Jewelry Repair
Transits & Levels

Authorized Money Exchanger

ESTABLISHED 1657

Cable Address: SOKUTAMA

Tel: 561-0305, 0306, 4782, 6483

(in front of Matsuya Dept. Store)

TAMAYA & CO. LTD.

Ginza St. bet. Exchange & St. Luke's
3-chome, Ginza, Chuo-ku, Tokyo

ly featured. Open 9am-9pm.
HAYASHI CAMERA—Tel 231-8501/6
 Address: 3-chome Muromachi, Nihombashi. No customer has ever been lost by products sold at this store with a guarantee for quality and reliability. Their separate miscellaneous department carries tape recorders, transistor radios, binoculars, watches and other related merchandise. For each purchase there is also a small gift novelty for you. Sales clerks speak very good English. Open 10am-8pm.
HERO—Tel 571-2654. Address: 3, 5-chome, Ginza-Nishi, Chuo-ku. Large selection of Canon, Mamiya, Minolta, Nikon and other fine Japanese cameras.

meras. Open 10am-9pm.
INTERNATIONAL CAMERA SHOP—Tel 501-5036. Address: 4, 2-chome Yurakucho, Chiyoda-ku. In New International Arcade, near Imperial Hotel. All lines of best cameras. Open 9am-5:30pm.

INTERNATIONAL PHOTO—Tel 271-3335, 4209. Address: Nikkatsu Arcade, Nikkatsu Bldg., Yurakucho. Open 9:30am-6:30pm.

JENA SEIKO—Tel 571-2980. Address: 4, 5-chome, Ginza. Specializes in prestige cameras. Open 11am-9pm.

KATSUMIDO—Tel 571-0468, 0469. Address: 3, 5-chome, Ginza, Tokyo. (Near the Ginza 4-chome intersection). All kinds of latest cameras and cine cameras on display. Developing-Printing-Enlarging service. English-speaking sales staff. Open 9am-9pm.

KRAFT CAMERA STORE—T.1 571-3962, 6650. Address: 4, 5-chome, Ginza, Tokyo. Complete line of cameras, cines and accessories. Distributors for Vista binoculars. Open 10am-7pm.

MATSUSHIMA OPTICAL STORE—Tel 535-3451/6. Address: 3-chome, Ginza, opposite Matsuya Dept. Store. Handles "blue-chip" optical goods. The shop also specializes in eye service on contact lenses. Eye examination equipment is imported from U.S. A second-floor display room exhibits products from leading Japanese optical and photographic manufacturers. Member of Diners' Club, American Express and authorized money changer. Open 10 am-6pm.

MIURA—Tel 212-1616. Address: second fl., Marunouchi Bldg., in front of Tokyo Central Station. Authorized export goods sales store. Tax-exemption for tourists. Agents for Minolta, Olympus, Asahi and Elmo cameras. Open daily 9am-5:30pm. Saturdays till 3pm. Members American Express, Diners' Club and Japan Souvenir Assn. Authorized money changer. Mail orders accepted. Closed Sundays.

NEGISHI—Tel 571-7271. Address: 2nd fl., Sukiya-bashi Shopping Center.

Newest cameras. Fast developing service. Open 10am-8:30pm.

OHBA—Tel 591-0070, 7720. Address: 20, 1-chome, Shiba Shimbashi, Minato-ku. Always displays newest camera products. Open 8:30am-8:30pm.

SANKEI CAMERA—Tel 571-6869. Address: First floor of Sukiya-bashi Shopping Center. Displays new Canon products. The fine products are alone worth a trip to the store. And, of course, you will want to take a good look and listen to name-brand transistor radios while you are there. All items are sold tax-free. Worth mentioning also is their quick and excellent photo service. Open 10am-9pm. Hotel Okura Arcade Shop: Tel. 581-9654. Open 10am-8pm.

SUGA PHOTO—Tel 591-7914. Address: Imperial Hotel Arcade, Uchisaiwaicho. Prides itself on its complete stock of latest cameras and friendly, efficient service. Twenty-four hour color processing. Open 9:30am-7pm weekdays, 10am-5pm Sundays.

SATO PHOTO—Tel 591-3513, 8650. Address: Imperial Hotel Arcade, Uchisaiwaicho. In addition to a fine line of cameras, binoculars and accessories, the store offers all sorts of gifts that are easy to mail or truck into the luggage at the last minute. These include tiny hanging scrolls (mail them home instead of greeting cards), colorful Japanese stamps and ready-made color slides of Japanese scenery, culture and people. Open 9:30am-7pm.

SUN DRY—Tel. 501-5775. Address: International Arcade, 1, 1-chome, Uchisaiwaicho, Chiyoda-ku. Handles cameras, transistor radios, binoculars and watches. Open 9:30am-7:30pm.

TAIYODO—Tel 291-0031/5. Address: 10, 1-chome, Jimbocho, Kanda, Chiyoda-ku. Cameras and photographic equipment. Tax-exemption for tourists. Open daily 9am-8pm. Shinjuku branch. Tel 361-6987. Open daily 9 am-10pm. Mail orders accepted.

TAMAYA—Tel 561-0305/6. Address: 2, 3-chome, Ginza. Founded in 1657, en-

NO TAX CAMERAS BINOCULARS

Satisfying Service
in Everything
PHOTOGRAPHIC
& OPTICAL



SAVE YOU MONEY

Authorized money changer

Matsushima

OPT. DEPT. STORE

3-chome, Ginza, Tokyo
Tel: 535-3451/6

For Taxi: 銀座三丁目 松島眼鏡店

NO TAX



YOUR SPECIAL CONSULTANT ON CAMERAS

TAIYODŌ

FOR INFORMATION AND SERVICE
1-10 JIMBOCHO, CHIYODA-KU, TOKYO
Tel: 291-0031/5
Main shop at Jimbocho streetcar crossing.
Branch shop in front of Shinjuku Station
streetcar stop. Tel: 361-6987

For Taxi: 神田神保町交差点そば 太陽堂

NO-TAX

Japan's Leading Shopping Arcade

36 specialty shops all on one floor offer Japan's Highest Grade Goods at realistic prices

Papier, Swords, Combs, Caskets, Ties, Socks, Kimonos, Silk Goods, Lacquerware, Transistor Radios, Tape Recorders, Watches, Jewellery, Screens, Scurry, Dolls, Chinaware, Table Utensils, Silverware, Spinning Goods, Old Coins, Stamps, Fur, Blouses, Shirts, etc.

You name it: We have it.

INTERNATIONAL ARCADE

Close to the Imperial Hotel New Bldg.
on Miyuki-dori Ave.

帝國ホテル新館と近い・インターナショナルアーケード

MOHA



**Jewelry
Pearls
Silverware**

HINODEJIMA

On Ginza Street, next to Nippon Gakki Building
Tel 571-6464 • Akasaka Branch in Asia Center of Japan

*Come and Shop...
Rain or Shine
A Treasure Island
for Shoppers*



Open daily
10 a.m. - 9 p.m.

**SUKIYABASHI
SHOPPING CENTER**



銀座ホテル前 スキヤバシ ショッピング センター

joys a high reputation in the field. Here, incidentally, you can also buy the famous Japanese levels. The store repairs jewelry at reasonable prices and glasses are optically fitted. Open 9am-5pm.

TOEIDO—Tel. 291-2554, 8040. Address: 6, 3-chome, Kanda Ogawamachi, Chiyoda-ku; Branch — Tel. 251-6263. Address: 8, 1-chome, Kanda Sudacho, Chiyoda-ku. No tax dealer of Japan's leading cameras and cine cameras. Open 10am-7pm.

CHESS SETS

NIKKO—Tel 211-6946. Address: Palace Hotel Arcade, 1-chome, Marunouchi. Invites you to look over their fine assortment of carved ivory chess sets. Open 9:30am-8pm.

SUNAMOTO—Tel 591-5610. Address: 14, 1-chome, Yurakucho. Opposite the Imperial Hotel Annex. Chess sets for connoisseurs. Experience in the field shows in the quality—the skillful carving of each figure. Open 9:30-6:30pm.

CHINAWARE

FUJIO—Tel: 501-4015. Address: 4, 2-chome, Yurakucho, Chiyoda-ku. Noritake China, Kutani, Satsuma pottery, crystals and lacquerware. Open 10am-7pm.

KOSHIDA—Tel 571-8073. Address: 2nd fl., Sukiya Bashi Shopping Center. Main store: Furumonzon Street, Kyoto. Manufacturer of Satsuma pottery, porcelain and chinaware such as hand-painted dinner sets, tea sets, coffee sets, vases, bowls and plates. Authorized money changer. Open 10am-8:30pm.

"NORITAKE" NITTO TOKI SHOKAI LTD. — Tel 591-9376/7. Address: 25, Toranomon, Minato-ku. Authorized money changer. Open 9:30am-5:30pm. Uchisaiwai-cho Store: Tel 501-3451. Iino Bldg., 22, 2-chome, Uchisaiwai-cho, Chiyoda-ku. Open 9:30am-5:30pm. Ginza Store: Tel 571-4322, 8522. Address: Kojun Bldg., 4-6 Ginza, Chuo-ku. Authorized money changer. Open 9:30am-5pm. Sole distributor of Nori-

TOKYO'S SHOPPING CENTER

Open 7 days
a week



IMPERIAL ARCADE

IMPERIAL HOTEL, TOKYO

Pearls

Cultured Pearls and Jewelry
Evening Bags
Exclusive Quality
& Designs



Imperial Arcade
Tel: 591-6655

Mayuyama & Co.

**SPECIALISTS IN
Cultured Pearls Jewelry
K. UYEDA**

1000 EDO MUSEI MUSEUM TEL 100-8708 / 1000
NEW STORE IS READY TO OPEN IN MITSUBISHI BUILDING
TEL 100-8401



PEARLS

Silverware
Satsumaware
Lacquerware
Watches & Accessories

OKUBO BROS

Imperial Arcade Tel: 591-6602



take China, Toyotoki, Okura Toyotoki, Okura China, Noritake Crystal, Noritake Melamine ware, Noritake Flatware, Kagami Crystal.

CLOISONNE

INABA CLOISONNE CO.—Tel 571-8071. Address: Sukiya-bashi Shopping Center, Head office Sanjo Shirakawabashi, Kyoto. Manufacturers and dealers in high class cloisonne ware and artistic enamel ware. Authorized money changer. Open 10am-8:30pm.

COLOR SLIDES

SK SLIDE CO.—Tel 291-5712, 9467. Address: 13, 2-chome, Kanda Sarugaku-cho, Chiyoda-ku. Another shop offering color slides of Japanese life, scenery, customs, festivals, and nudes. All original pictures are taken with Eastman color negatives. Set of 10 pictures at ¥400 (domestic price) is available at camera shops and department stores. Mail orders accepted. Open 9am-5pm.

DAMASCENE

AMITA—Tel 571-3274. Address: 1st and 2nd flrs., of Sukiya-bashi Shopping Center. Damascene, lustrous black inlaid with gold and silver designs, is costume jewelry of the highest order. Damascene was originally perfected by the ancient Damascans, but today is produced in Japan only.

Personal ornaments and home accessories include earrings, cufflinks, pendants, belts, plates and cigarette cases. All easy to pack, real elegant gifts for everyone. To appreciate the value of your damascene purchase, you are invited to watch the artisans at work in the shop. Open 10am-9pm.

DOLLS

KABUKIYA—Tel 571-8076. Address: 2nd flr., Sukiya-bashi Shopping Center. Specialists in Japanese dolls, especially Kyoto dolls. Kabuki dancers, traditional Japanese style and kokeshi as well as other folkcraft dolls. Also noh masks and other products of Kyoto. Mail service. Member Diners' Club American Express. Main store in Kyoto. Open 10am-9pm.

FANS

IBASEN—Tel 661-3913/4, 3988. Address: 5, 2-chome, Nihombashi Kobuncho. Fans are everything a good gift should be. Elegant, authentic Japanese, easy to pack, well-priced. Take one back for every lady on your shopping list. Available are lace, hand-painted silk and paper, ivory and exhibited at Silk Gallery, Tokyo International Airport Bond Shop and Japan Export General Merchandise Show Center. Open 9am-5pm. Closed Sundays and holidays.

FISHING TACKLE

KYOBASHI TSURUYA—Tel 561-4062. Address: 5, 2-chome, Kyobashi. The finest selections of fishing tackle and accessories are shown. Japanese fishing tackle are well-known for quality and performance and have long been favorite gifts to carry back. Open 9:30am-8pm. Closed Sundays and holidays. Member of Diners' Club.

TOKYO ELITE—Tel 271-1900. Address: Nikkatsu Arcade, Nikkatsu Bldg., Yurakucho. Popular one-stop shopping center for all an angler could hope to own in a good fishing tackle. Open 9:30am-7pm. Sundays till 6pm. Member of Diners' Club.

FURS

There is almost no excuse not to sport a fur piece of some sort when leaving Tokyo—it's that inexpensive to own one. Mink and marten coats, sales and accessories are most popular sellers. Japanese mink is not quite up to American mink; on the other hand there is also an almost unbelievable 50 per cent difference in price. Leopard is handsome and so is silver fox. Persian lamb is imported and expensive. Selection in reputable stores is not restricted to ready-wear either, and Japan's furriers are rightly famous for their custom furs, equal to any fine tailored furs in the world.

FUTABA FUR—Tel 571-0518. Address: 4, 5-chome, Ginza-Nishi, Chuo-ku. Large, fine selection. Open 9am-6pm. Sundays 10am-5pm. Branches: Imperial Hotel Arcade. Tel 591-1557; Hotel New Japan Arcade. Tel 501-5511, ext. 344.

NAKAMURA—Tel 561-4720, 2794. Address: 5, 4-chome, Ginza Nishi. Popular with the Japanese well-to-do. Indeed, a very good recommendation for any shop. Open 10am-6pm.

SAITO—Tel 541-9493, 6918. Address: 8, 4-chome, Tsukiji, Chuo-ku. Near Ginza Tokyu Hotel. Everything in furs. Also small accessories like mink earrings, bracelets (for the wristband of a cashmere sweater), bow ties for Him and Her, purselettes and many others. Open 10am-6pm.

SIBERIAN FUR—Tel 591-1776/7. Address: Room 104, Fukoku Bldg., Uchisaiwaicho, Chiyoda-ku. The most luxurious and latest fashioned mink coats, capes, cape-stoles, etc. Main store in Hongkong. Open 10am-6pm.

SOGA FUR—Tel 571-0557/8. Address: 2, 5-chome, Ginza. Most experienced furrier in town, featuring mink coats, marten, sable, and accessories at moderate prices. Open 9am-8pm.

SUN FUR—Tel 271-9220. Address: Nikkatsu Arcade, Nikkatsu Building, Yurakucho. This is what we'd call a one-

NO TAX

For Foreign Tourists

CAMERAS,
LENSES,
BINOCULARS,
TRANSISTOR
RADIOS



ESTABLISHED IN 1926
OPEN EVERY DAY
9:30 a.m.—7 p.m.

The Authorized Money Changer
PHOTO SUPPLY STORE

FUTAMI

No. 2, 4-chome, Ginza Street, Tokyo
Tel: 561-0636, 0846, 2318
For Driver: 銀座四丁目交差点ビル内

FUR

• Biggest
Assortment

5, 4-chome, Ginza Nishi,
Chuo ku, Tokyo
Tel: 561 4720, 2794




Fur Nakamura

For Taxi: 銀座四の五 (釜本通り) 中村毛皮店

stop shop for any and all fur gifts on your list. They are also one of the best furriers in Tokyo with a full stock of mink and marten. Open 10am-6:30pm.

GLASSES

KIMPO-DO—Tel 571-6376. Address: First floor, Sukiyabashi Shopping Center. Specialists in eye glasses, contact lenses, and other optical goods. Microscopes, telescopes, transistor radios are also on display. Quick service for tourists. Open 10am-9pm. Contact Lens Service Store—Tel 561-1033, 0684. Address: Kyobashi, opposite the Meidiya Store.

GUNS

MIZUHO GUN SHOP—Tel. 542-0131. Address: 9, 3-chome, Ginza-Higashi, Chuo-ku. Tokyo's only no-tax gun dealer. K.F.C., Nikko, S.K.B., Fuji and other Japan's leading models. Open 8:30am-8:30pm.

HANDBAG

M. YAMAMOTO—Tel 571-8072. Address: Sukiyabashi Shopping Center, Tokyo. Main Store: Furumoments St., Higashi-ku, Kyoto. Artistic handbags. Open 10am-8pm.

IVORY

NIKKO—Tel 211-6946. Address: Basement, Palace Hotel, 1-chome, Marunouchi. Ivory figurines of this store are for those who like to decorate their home with tastefully restrained accessories. Carvings combined excellent workmanship with extremely attractive prices. Open 10am-7pm.

KITAGAWA—Tel 401-7496. Address: 13, 2-chome, Aoyama Minamicho, Minato-ku. Offers genuine ivory carvings and specializes in objets d'art and accessories. Ideal souvenir of Japan. Open 9am-6pm.

SUNAMOTO—Tel 591-5610. Address: 14, 1-chome, Yurakucho (opposite the Imperial Hotel Annex). Deals exclusively in ivory carvings, many of which come from famous living carvers. Every piece is perfect as Japanese ivory carvings will be, timeless in beauty, charming to own. And a tribute to your own good taste when brought back as gifts. This is the oldest shop in town specializing in ivory. Open 9:30am-6:30pm.

JEWELRY
ASAHI SHOTEN—Tel 591-2814. Address: Imperial Hotel Arcade, Uchisaiwaicho. Smoked silver ornaments at the store represent something entirely different in the way of personal accessories from the Orient. Here you can also buy agate, coral and other semi-precious stone necklaces which look so well with leisure clothes. Open 9am-7pm. Nikkatsu Arcade Store—Tel 271-6260, 9336. Address: Basement, Nikkatsu Bldg., Yurakucho.

HINODEJIMA—Tel 571-6444. Address: 1, 7-chome, Ginza: West door of Yamaha Hall. The shop to look into for beautiful cloisonne and silver. Each piece, exquisitely finished, is surely destined to become a treasured heirloom. Open 10am-7:30pm.

MATOKA—Tel 271-2170/1. Address: Nikkatsu Arcade, basement, Nikkatsu Bldg., Yurakucho. Well-stocked shop of jade and other gems. The owner has a good knowledge of the US, European and South American pearl markets and will accept mail orders and wholesale orders for export. Open 10am-6:30pm.

MAYUYAMA—Tel 591-6655. Address: Imperial Hotel Arcade, Uchisaiwaicho. Carries one of the most outstanding collections of green jade gems, semi-precious stones and objets d'art. General manager Yokoi at the Imperial Arcade store, incidentally, also expounds with first-rate knowledge on antiques. Open 10am-6:30pm. Nikkatsu Arcade Store—Tel 271-5853. Address: Basement, Nikkatsu Bldg., Yurakucho.

K. UYEDA—Tel 591-0738. Address: Imperial Hotel Arcade, Uchisaiwaicho. One of the oldest silversmiths in Tokyo who is fond of saying that his

NIKKATSU ARCADE



The Best Shopping Center for All

Open daily 10 a.m.—6:30 p.m. Arcade Information Tel: 271-4527

For Taxi: 日比谷交差点・日清ビル会館地下日活アーケード

30 SPECIALTY SHOPS
(in the heart of downtown Tokyo)
offer
quality merchandise
at moderate prices

Chiyoda Clinic



Cosmetic and Plastic Surgery of the Nose, Eyes, Ears & Face.

Call Dr. Furukawa
Tel: 271-9672

Silks



Dress Makers & Shirt Makers

Yamatoya

Tel: 271-9795

Nippon Nobility

Tel: 271-8527



Cultured Pearls

Jewelry
Beaded Bags

Mayuyama & Co

Tel: 271-5853

Fishing Tackle,
Xmas Cards &
Woodcut Printing

TOKYO ELITE CO., INC.
Tel: 271-1900

Yabe's
ART STUDIO
Oil Portrait on Canvas
& Silk from Photo

DONE WHILE YOU WAIT:
★ Leather Stamping ★ Embossed Card Printing
★ Silver Engraving ★ Plastic Laminating
TEL: 271-3901

reputation was established by the foreign population of Japan doing reliable business in limited quantity but with excellent quality. Positive proof is his silversmith work designed in the store's own shop, hand-polished and finished silver ware and the selected amount of quartz and ivory carvings. Open 10am-6:30pm. Branch—Tel 591-8501. Address: 14, 1-chome, Yurakucho, opposite the Imperial Hotel Annex. Open 10am-7pm.

YACHIYO—Tel 571-2937. Address: 5, 5-chome, Ginza Nishi. Jewelry for the collector of rare gems, jade, coral, diamonds and other precious and semi-precious stones. Chances are you will find exactly what you're looking for here. Open 10am-8:30pm.

KIMONO

HAYASHI KIMONO STORE—Tel. 591-9826. Address: 1, 1-chome, Uchisaiwaicho, Chiyoda-ku. Has a wide circle of satisfied customers from among the permanent foreign residents in Tokyo. Favorite sellers include narrow-width brocade kimono and obi yardage (these to be made into cocktail suits) and narrow obi belts (these to be worn with slacks and skirts). Open 10am-8pm. Hilton Shop: Tel. 581-4511, Ext. 57. Tokyo Hilton Hotel Arcade. Open 10am-7pm.

**Pure Silk Fabric
of various weaves**

MOH LONG

Imperial Hotel Shop
Imperial Arcade, Tokyo
Tel: 591-4012

Ginza Shop
2, 5-chome, Ginza Nishi, Tokyo
(Next to Hankyu Dept. Store)
Tel: 571-4503

MURAI CO.—Tel 571-8939. Address: Second floor of Sukiya-bashi Shopping Center. Specialists in kimono and all kinds of silk garments such as Happi-coats, pajamas. Also silk fans and silk scarves. Main store in Kyoto. Open 10am-9pm.

NIKKO—Tel 211-6946. Address: Palace Hotel Arcade, 1-chome, Marunouchi. Fabulous selection of kimono and accessories available at this long-established specialty shop now in new, larger location in Palace Hotel Arcade. Proprietor spent many years in America and is able to help customers with their shopping needs. Open 10am-7pm.

SAKURA COMPANY—Tel 431-6287. Address: 3, Kamiyacho, Shiba, Minato-ku. Handles kimono wear, both old and new. Zori (footwear), some fancy, some tailored, all delightful, are also featured. And how about a traditional Japanese umbrella to take back! They are very serviceable despite their fragile appearance. This is also the place to buy that Chinese dress you have always wanted. Open 9am-6pm.

LACQUERWARE

SUKIYA—Tel. 571-2676. Address: 2nd fl., Sukiya-bashi Shopping Center. Bambooware, folkcraft and lacquerware. Open 10am-8:30pm.

YAMADA HEIANDO—Tel 272-2871. Address: 4, 3-chome, Nihombashi-Edobashi, Chuo-ku. The traditional beauty of lacquerware produced by Yamada Heiando, who has served the Imperial Household for many years, has been long admired. Heiando is the only genuine Japanese Shikki (lacquerware) specialists in Tokyo. Open 9am-5pm.

TAKAYAMA SANSHODO—Tel 671-1957. Address: 10, 3-chome, Kayabacho, Chuo-ku. Displays a cross section of the fine lacquerware Japan is justly famous for. The lacquerware is black or orange, the latter in several shadings. All is brush-painted with

gold designs, elaborate in detail. Here you can also find the exquisite gold lacquer items that blend so well with western decor. Open 10am-6pm.

NISHIMURA—Tel 571-8075. Address: 2nd fl., Sukiya-bashi Shopping Center. Zohiko Lacquerware Shop, Okazaki Park, Nijo Street, Kyoto. Makers of all types and varieties of lacquerware. Open 10am-9pm.

LANTERN

ESUAI BROS.—Tel 501-4016. Address: International Arcade, Yurakucho. Dolls, screens, scrolls, pictures, lamps and lanterns. Mail orders accepted. Open 10am-7pm.

LUGGAGE

TENCHIDO—Tel 271-9665. Address: Nikkatsu Arcade. Main store: Tel 571-0044, 0059. Address: 2, 7-chome, Ginza. Luggage and bags of leather, aluminum, vinyl. Orders taken for special sizes and repairs handled. Open 9:30am-6:30pm.

MOVIE FILMS

ZENIER BROTHERS—Tel 561-5295. Address: 2, 1-chome, Ginza-Higashi, Chuo-ku. Producers of the short 8mm and 16mm color movies (with or without sound) called "Seeing Japan" suitable as souvenir of your visit to Japan. Price for 8mm film \$10 to \$15 and for 16mm sound \$20 to \$35.

NOH MASKS

ICHY'S—Tel 401-2247. Address: 11, 3-chome, Aoyama Kitamachi, Minato-ku. Near Meiji Park. Vast collection of Noh masks, the most fabulous in town, must be seen to be appreciated. Many other wood carvings in stock, each a prestige piece for your home. Open 10am-7pm.

OIL PORTRAITS

YABE ART STUDIO—Tel 271-3901. Address: Nikkatsu Arcade, Nikkatsu Bldg., Yurakucho. Faithfully reproduces your or your children's portrait in glowing color from photographs. Please inquire for further details. En-

graving on silver or gold also featured, laminating done. Open 10am-7pm.

PEARLS

Sometimes you must surely get the impression that pearls in Japan are dime a dozen. Truth is, good pearls, the ones sold in reputable stores, represent only 10% of all the pearls lifted from oysters in the waters around Japan. An advice to anyone buying pearls would be: Set the price you wish to pay. Then buy quality only. Size should be a second consideration. Look for perfectly round spheres, check them for luster and imperfections and then select the size within your price range. Naturally, the larger, perfect pearl will be the more expensive ones. Favorite shade is mostly a matter of preference.

As for keeping pearls: Gently rub them occasionally with a piece of soft, clean flannel.

ASAHI ART CENTER—Tel 271-6260. Address: Nikkatsu Arcade, Nikkatsu

Asahi Pearl



ASAHI SHOTEN

Main Store: Imperial Hotel Arcade	Tel: 591-2814
Nikkatsu Store: Nikkatsu Arcade	Tel: 271-9336
Asahi Art Center: Nikkatsu Arcade	Tel: 271-6260

■ BIG SAVINGS ON TAX-FREE PURCHASES ■

Bldg., Yurakucho. People of this store with plenty of pearl ornaments on display seem to be determined to make choosing as difficult as possible. But what a delight! There's enough to be had for your heart's and pocketbook's content. Open 9:30am-7pm. Sundays 10am-6:30pm.

ASAHI SHOTEN—Tel 591-2814. Address: Imperial Arcade, Uchisaiwaicho. Pearl people are on to your collector's urge, so the cultured pearl pickings are especially good and plentiful. Prices are reasonable so you can easily go on a collecting spree for the shimmering stuff here. Open 9am-7pm. Sundays 10am-6:30pm. Branch—Tel 271-9336. Address: Nikkatsu Arcade, Basement, Nikkatsu Bldg., Yurakucho.

H. ONO PEARLS—Tel 571-6788. Address: 1, 6-chome, Ginza Nishi. This is where you will also find some of Japan's handsomest cultured pearl jewelry. Open 10am-8pm. Branch—Tel Yokohama 64-0478.

TASAKI PEARLS
Hilton Shop: Tokyo Hilton Hotel Arcade
Tel: 581-4511 Ext. 69
Ginza Shop: 5, 6-chome, Ginza-Nishi,
Chuo-ku, Tokyo
Tel: 572-2655/6
Kobe Shop: 1st Fl. Kobe Shinbun Kaikan
Tel: 22-5648

**TAX FREE
OPEN
10AM-9PM**



IMPERIAL PEARLS—Tel 408-5701. Address: 11 Shinryudo-cho, Azabu, Minato-ku, Tokyo. (Next door to the Volga Restaurant). Exporters and dealers in high quality cultured pearls and pearl jewelry. Personal attention of Miss Mori Kuriyama, "Pearl Queen of the Orient."

KITAMURA—Tel 571-8032. Address: 1st & 2nd fl., Sukiya-bashi Shopping Center. Has its main office in Kobe. Established in 1901, Kitamura has an established reputation of more than 60 years. The smartest jewelry in town—necklaces, earrings, rings, bracelets, brooches and all other types of pearl articles. Open 11am-9pm.

K. MIKIMOTO—Tel 535-4611. Address: 2, 4-chome, Ginza. Originator of cultured pearls. Everybody should have at least one of their precious ornaments. Pickings are surely abundant enough. Documentary film "The Home of Cultured Pearls" is screened twice daily at 10am and 3pm in a special room of the Ginza Main Store. Special showing for groups of less than 25 can also be arranged. Store is open 10am-5:30pm, except retail stores at the Imperial Hotel, Hotel Okura and Palace Hotel Arcades. Also at Yokohama Silk Center.

MATOKA—Tel 271-2170/L. Address: Nikkatsu Arcade, Nikkatsu Bldg., Yurakucho. The largest stock of all kinds of pearls at moderate prices. Mail orders and wholesale orders for export handled. Open 10am-6:30pm.

MAYUYAMA—Tel 591-6655. Address: Imperial Hotel Arcade, Uchisaiwaicho. One of the most elegant pearl centers in Tokyo prides itself on magnificent pearl jewelry and very good goldsmith work. A specialty of the store are multi-strand pearl necklaces with carved jade clasp. These are almost exclusive busy here. Open 10am-6:30pm. Branch—Tel 271-5853. Address: Nikkatsu Arcade, Nikkatsu Int'l Bldg., Yurakucho.

MIKADO PEARLS—Tel 591-5528. Address: International Arcade, Uchisai-

waicho, Chiyodaku. Pearl specialist with a long experience. Open daily from 10am to 8pm. Sunday from 10am to 6:30pm.

OKUBO BROS.—Tel 591-6602. Address: Imperial Hotel Arcade, Uchisaiwaicho. There is no lady anywhere on this fair globe of ours who wouldn't love to surround herself with a pearly glow. Consequently, the display in this store is especially large and noteworthy. Open 10am-7pm.

PACIFIC PEARLS—Tel 591-2715. Address: Room 7, Yuraku Bldg., 14, 1-chome, Yurakucho. 60 meters north of Imperial Hotel Annex, along the railroad. Established in 1938. Name brand pearls sold throughout the world. Owner: Rudolf Voll, Japan's foremost foreign pearl expert, who can tell you more about these gems than an encyclopedia. Open 9am-6pm.

TAKANO—Tel 211-7007. Address: Palace Hotel Arcade, 1-chome, Marunouchi. The pearl wholesaler boasts the exquisite design and gift box. All kinds of pearl products. Open 10am-7pm.

TASAKI PEARL—Tel 572-2655/6. Address: 5, 6-chome, Ginza-Nishi, Chuo-ku. Fine pearls, necklaces, brooches and other pearl jewelry product. Open 10am-9pm.

K. UYEDA—Tel 591-0736, 3916. Address: Imperial Hotel Arcade, Uchisaiwaicho. They are proud of their goldsmith work and so they should be. Many of the cultured pearl jewelries have had the beginning at their desk and all of the cultured pearls originated in their own goldsmith shop. Another excellent buy here are South Sea pearls, measuring one inch or more in diameter, single or in settings. Open 10am-6:30pm.

YACHIYO—Tel 571-2937. Address: 5, 5-chome, Ginza Nishi. Treats visitors to a wide assortment of personal pearl ornaments at attractive prices. Open 10am-8:30pm.

for the best...
MIKIMOTO
PEARLS,
of course



The Originator of Cultured Pearls
K. MIKIMOTO, Inc.
MAIN STORE: GINZA, TOKYO
Tel: 535-4611
(BUSINESS HOURS: 10:00 a.m. - 5:30 p.m.)

TOKYO: Imperial Hotel Arcade
Hotel Okura Arcade
Palace Hotel Arcade

YOKOHAMA: Silk Center Arcade

OSAKA: Shin Osaka Building

KOBE: Kobe International House

KYOTO: Miyako Hotel Arcade
Kyoto Hotel Arcade
Int'l Hotel Kyoto Lobby

NAGOYA: Meitetsu Salon d'Or

TOBA: Mikimoto Pearl Island

TAX FREE FOR TOURISTS: Be sure to get your TAX EXEMPTION FORM at Customs on arrival.

MOVIE: "THE HOME OF CULTURED PEARLS" screened daily except Sunday at 10:00 a.m. & 3:00 p.m. GINZA MAIN STORE.

PRINTS

M. NAKAZAWA—Tel. 591-2553. Address: 14, 1-chome, Yurakucho. Opposite the Imperial Hotel Annex. Ranks as one of the best places in Tokyo to buy woodblock prints. The selection never has been finer and never was it so inexpensive to own such splendor. Open 9:30am-9pm.

SAKAI—Tel. 591-4678. Address: 14, 1-chome, Yurakucho. Opposite the Imperial Hotel Annex. They would like to show you that all woodblock prints are not alike and that the new crop of artists is every bit as skillful at their trade as the old masters. Open 10am-10pm.

TOKYO ELITE—Tel. 271-1900. Address: Nikkatsu Arcade, Nikkatsu Bldg., Yurakucho. Has all the latest prints, single or in sets. Extremely packable prints, incidentally, are fast becoming the No. 1 gift item from Japan to slip into a suitcase. Open 9:30am-7pm.

PROVISIONS

AZABU SUPERMARKET—Tel. 473-4982/4. Address: 35, Hiroo-cho, Azabu, Minato-ku. Next to the German Embassy. Goods from all over the world in sparkling, streamlined market. Liquor department stocks everything from French vintage wines to Scotch whisky. Fresh meat and vegetables. Open seven days a week, 10am to 7pm.

Sword & Cutlery
SAMURAI SWORDS • CUTLERY
PARADE SWORDS • TABLEWARE
JAPAN SWORD
80, 51 the Tomoe-cho, Minato-ku, Tokyo
Tel. 431-2271, 9654
Branches: Hotel New Japan Arcade
Ginza International Arcade
For Taxi: ジェット スター
30分前電話

MEIDI-YA—Tel. 281-6111. Address: 4, 2-chome, Kyobashi. The American supermarket gone Oriental, or continental, if you wish. Here you can find excellent groceries, candies, beverages and fruit from the four corners of the world. The canned goods section will delight your fancy, tempting you with a variety of rare delicacies. Open 9:30 am-5:30pm. Closed Sundays.

SHIRTS

TANI SHIRT COMPANY—Tel. 408-5566/7. Address: 45, Sakuradacho, Azabu, Minato-ku. Reputed as the king of custom-made shirts, Tani uses only the finest silk and Egyptian cotton. As an added feature, one of the tailors will come to your home or hotel for measurements and fittings if you call up the shop and make an appointment. Dresses, blouses, pajamas, and robes are other good custom buys. Open 9am-6pm.

TAKENAKA—Tel. 211-6957. Address: Palace Hotel Arcade, 1-chome, Marunouchi. One of the leading shirt and dressmakers in Japan offering perfect fittings, latest styles, moderate prices and quick delivery of shirts, blouses, shorts and robes. Open 10am-7pm.
YAMATOYA—Tel. 271-9795. Address: Nikkatsu Arcade, Nikkatsu Int'l Bldg., Yurakucho. Open 9:30am-6:30pm. Sukiya-bashi shop. Tel. 571-8027, 8029. Sukiya-bashi Shopping Center. Raw silk, brocade, pongee, shantung, Fuji silk. Dressmakers and custom shirt-makers. Open 10am-9pm.

SILK

KANEBO SHOW ROOM—Tel. 561-8711. Address: 2, 3-chome, Ginza. Makes shopping for silk a real pleasure. Here are collected the yardage from the famous Kanebo mills. Ready-made or custom-tailored silk shirts, pajamas and robes are among the most popular sellers at this store. Open 10am-6:30pm.

KYOTO SILK—Tel. 501-5789. Address: International Arcade, 1, 1-chome,

STOP PRESS CATHAY PACIFIC ANNOUNCES

DAILY FLIGHTS

(EXCEPT WEDNESDAY)
BETWEEN



OSAKA HONG KONG



See your Travel agent or
Cathay Pacific Airways, Palace Hotel, 1st Floor
15, 1-chome, Marunouchi, Chiyoda-ku, TOKYO Tel. 212-3526/9

Cathay Pacific Airways, Seiko Building, 17, 2-chome
Sonaraki Shiochi, Kita-ku, OSAKA Tel. 367-5651/4

Serving: HONG KONG • BANGKOK • BUREI • CALCUTTA • JAKARTA
JESSELTON • KUALA LUMPUR • MANILA • OSAKA • PHOENIX
RANGOON • SINGAPORE • SEUL • SINGAPORE • TAIPEI • TOKYO • VIENTIANE

Uchisaiwaicho, Chiyoda-ku. Silk fabrics such as Fuji, pongee, raw silk, tweed, jacquard, brocade, shantung, lame, scarves, etc. Open 10am-7:30pm.

MOH LONG—Tel 591-4012. Address: Imperial Hotel Arcade, Uchisaiwaicho. A favorite shop with silk-seeking customers, not only for their choice collection of pure silk fabrics but also for elegant silk stocking-stuffers. These latter include neckties and tastefully embroidered scarves. The shop also sends swatches with price tags and pertinent information upon request. Mail orders promptly filled. Open 9:30 am-6pm. Ginza Shop—Tel 571-4503. Address: 2, 5-chome, Ginza Nishi.

SILK GALLERY—Tel 441-0113. Address: Korinkaku, 1, Takanawa Nishidaimachi, Minato-ku. The management, with unerring good taste, has picked the most exquisite silks to feature in their show room. Ask to see the practical as well as pretty washable silk materials. Open 10am-5pm.

WATANUI—Tel 211-6955. Address: Palace Hotel Arcade, 1-chome, Marunouchi. Silk specialist and dress maker with assortment of hand-brocaded material. Open 10am-7pm. Also shop in Yokohama Silk Center. Tel Yokohama 64-1051.

NIPPON NOBILITY—Tel 271-8527. Address: Nikkatsu Arcade, Nikkatsu International Bldg., 1, 1-chome, Yurakucho, Chiyoda-ku. Silk brocade, satin, prints, faille, taffeta etc. Sample-free mail orders accepted. Open daily 10 am to 6:30pm.

SILVER

ALOHA CO.—Tel 408-2837 Address: 5, 2-chome, Akasaka Demmacho, Minato-ku. Beside the Toyokawa Inari Shrine. Offers quality silver ware at almost half stateside prices. This will leave you quite a bit of the crinkly stuff to invest in their equally attractively priced pearls and precious jewelry. This shop also exports church

goods. Open 9am-6pm.

ASAHI SHOTEN—Tel 591-2814. Address: Imperial Hotel Arcade, Uchisaiwaicho. Silver at this store is representative of the fine silver ware available in this country. Gifts of silver in a timeless design which incorporate beauty with usefulness are sure to please every time. Open 9am-7pm. Branch—Tel 271-6290, 9336. Address: Nikkatsu Arcade, Nikkatsu Bldg., Yurakucho.

SMOKING SETS

SASAKI COMPANY—Tel 561-3554. Address: 3, 1-chome, Ginza, Chuo-ku. The place to go to find some real good souvenir buys at pleasing prices. Japanese smoking sets and lots of unique lighters (with all kinds of clever gimmicks) are the main attraction here. This is also where you can get your lighter repaired. Open 9am-8pm.

STONE LANTERNS

ISHIKATSU—Tel 401-1677, 2505. Address: 1, 1-chome, Kitamachi, Aoyama, Akasaka, Minato-ku. Foremost stone masons in Japan established in 1706. Best prices on stone lantern, water basins, monuments and masonry for export. We handle all the details. Open 9am-5:30pm.

SWORDS

JAPAN SWORD COMPANY—Tel 431-0654, 2271, 2256. Address 80, Tomoecho, Minato-ku. Has been and always will be a by-word for magnificent samurai swords. Today's proprietors apply the same principles of quality craftsmanship to ultra-modern carving sets, steak knives and letter openers. This is a fine shop to drop by if you are interested in the ancient culture of sword-making. Appraisals and polishing service also available. Open 10am-7pm. Sundays to 5pm. Branches—Tel 501-5511 Ext. 323 Address: Hotel New Japan Arcade, Nagatacho: Tel 591-9821. Address: International Arcade, 1-chome, Uchisaiwaicho.

TABLEWARE

NAKAZATO—Tel 591-4481. Address: 11, Toranomon, Minato-ku. They export and supply for hotels, restaurants and clubs. The particular customer can find here a wide selection of quality cutlery, everything in glassware, cooking and serving equipment. The shop enjoys a good reputation among foreign residents in Tokyo. Open 8am-7pm.

TAILORS

BALCON—Tel 591-5062. Address: Room 111, San Shin Building, Yurakucho. They can't let you go home without one or two of their custom suits. Also for ladies. Why not take your requests here. Open 9:30am-7pm.

SEKINE—Tel 271-8906. Address: Nikkatsu Arcade, Nikkatsu Bldg., Yurakucho. Enjoys reputation of a top tailoring establishment. All the newest styles available.

YAMAGATAYA—Tel 561-0442. Address: Tourists Custom Tailoring Dept., 4, 1-chome, Ginza, near Theater Tokyo. Only tailor in town who can offer big size ready-made suits (38-44). Mail orders accepted for customs-made clothes. Accurate individual measurements are kept on file. All you have to do is mail in your orders. Open 10am-8pm.

TRANSISTOR RADIOS, STEREOS, TAPE-RECORDERS

BALCON—Tel 591-5062. Address: Show Room, No. 109, San Shin Bldg., Yurakucho. Offers special tourist discounts. All makes of transistor radios, Hi-Fi and stereo equipment. New Akai four-track tape recorders. Open 9:30am-7pm.

INOUE—Tel 561-3621/3, 3669. Address: 2, 3-chome, Ginza. One of Tokyo's best radio dealers. Also large stock of transistor radios and tape-recorders, TV sets and phonographs. Open 10am-7pm.



SEIKO PRESENTS THE SPORTSMATIC 5

An exciting 21-jewel wrist-watch for men who want ruggedness plus precision and modern extras. It is self-winding with recessed crown, waterproof to depths of 30 feet and has a calendar showing day and date in the same frame. With matching locking bracelet band, it is yours from ¥8,300. See it at these shops:

Tokyo: Hotel Okura Arcade
Palace Hotel Arcade
Tokyo Hilton Arcade
Wako Store, Ginza
Tokyo Int'l Airport Lobby
Yokohama: Silk Hotel Arcade
Kyoto: Int'l Hotel Kyoto Arcade
Miyako Hotel Arcade
Nagoya: Meitatsu Salon d'Or
Miyako Hotel Arcade

SEIKO WATCHES QUALITY & PRECISION

Izumi: Clean Convenient



IZUMI, the neat little Turkish bath in the basement of the Tokyo Hilton, really is a good deal. The location is convenient, the prices reasonable (¥1,500) and the establishment immaculately clean.

It's owned and operated by the same people who have been so successful with the Rakutenchi Bath out Kinshi-cho way. As a matter of fact, we used to take our tourist guests all the way to Kinshi-cho but no more—we're perfectly satisfied now with the Izumi.

Mind you, there are only private rooms, but the eight attractive attendants take turn in gently caressing away the weariness of a busy day.

If you have never enjoyed the pleasures of a Japanese steam bath—it consists of 5-10 minutes in a steam cabinet, then a gentle scrubbing by the attendants (known in the trade as Miss Toruko) and then about 40 minutes of the pleasantest massaging by the soft hands of the attendant.

You're supposed to leave a tip for the girl—that's all she gets since the management takes all of the fee.

In addition to the ordinary massage (¥1,500), there is the oil massage (¥1,600) and cream massage (¥1,700).

Rakutenchi has a picture of movie actor, John Wayne, who once had a bath there; Izumi is proud of the visit paid it by New York's Mayor Robert Wagner. Photo shows Mayor Wagner and his son, with the attendants, last summer.

NIKKATSU EXPRESS—Tel 271-6381. Address: Nikkatsu Arcade, Nikkatsu Bldg., Yurakucho. Large stock of the latest models. Open 9:30am-6:30pm.
SANKEI CAMERA—Tel 571-6869. Address: First floor, Sukiya-bashi Shopping Center. Has complete stock of transistor radios. Open 10am-9pm.

TYPEWRITERS

YAESU BROTHER SEWING MACHINE COMPANY—Tel 481-8556-9. Address: 1, 1-chome, Akasaka Tamachi, Minato, ku. Brother Valiant portable typewriters.

WATCHES AND CLOCKS

SEIKO watches and clocks are on sale at the following Seiko stores:

Hotel Okura Arcade, Tel 481-8011, Ext: 328; Palace Hotel Arcade, Tel 211-6941; Tokyo Hilton Hotel, Tel 581-4511, Ext: 63; Tokyo International Airport Lobby; and the Wako Department Store. Tel 561-8451. Seiko watches and clocks are also on sale at better watch shops throughout Japan.

WOODBLOCKS

UCHIDA—Tel 571-8077. Address: 2nd fl., Sukiya-bashi Shopping Center, Tokyo. Head office Marutamachi St. Kawaramachi-nishi, Kyoto. Modern and old woodblock prints, Christmas cards, greeting cards, stationery, screens and scrolls, silk paintings and general antiques. Open 10am-8:30pm.

General Information

BANKS

FOREIGN

AMERICAN EXPRESS—Tel 211-0481. Address: Tokyo Chamber of Commerce Bldg., 3-chome, Marunouchi.

BANK OF AMERICA—Tel 271-0241/9. Address: New Marunouchi Bldg., Marunouchi.

BANK OF CHINA—Tel 211-2501. Address: Togin Bldg., Marunouchi.

BANK OF INDIA—Tel 212-0911/3. Address: Mitsubishi Denki Bldg., 12, 2-chome, Marunouchi, Chiyoda-ku.

BANK OF INDOCHINA—Tel 271-6221. Address: Nichifutsu Ginko Bldg., Gofukubashi, Chuo-ku.

BANK OF KOREA—Tel 591-7461/7. Address: Sanshin Bldg., 10, 1-chome, Yurakucho, Chiyoda-ku.

BANGKOK BANK—Tel 241-2883/5. Address: Mitsui Nishi 3-gokan, 1, 2-chome, Nihombashi Muromachi, Chuo-ku.

CHARTERED BANK—Tel 211-1656/9. Address: Fuji Seitetsu Bldg., 10, 3-chome, Marunouchi.

CHASE MANHATTAN BANK—Tel 281-3931. Address: Tokyo Kaijo Bldg., Marunouchi.

COMMERZBANK A.G.—Tel 211-6948. 8th fl., Palace Bldg., Marunouchi.

FIRST NATIONAL CITY BANK—Tel 211-1781. Address: New Otemachi Bldg., 2-chome, Otemachi.

HONGKONG & SHANGHAI BANKING CORP.—Tel 211-6461/76. Chiyoda Bldg., Marunouchi.

MANUFACTURERS TRUST—Tel 211-2716. Address: Togin Bldg., Marunouchi.

MERCANTILE BANK OF INDIA—Tel 271-0511. Address: Mitsubishi Naka 9th Bldg., Marunouchi.

NATIONAL HANDELSBANK N.V.—Tel 231-2245. Address: Tokyo Bldg., 3, 2-chome, Marunouchi, Chiyoda-ku.

NEDERLANDSCHE HANDEL-MAATSCHAPPIJ N.V. (Netherlands Trading Society)—Tel 211-1760/9. Address: Fuji Seitetsu Bldg., Marunouchi.

JAPANESE

BANK OF KOBE—Tel 211-3451. Address: Shin-Ohtemachi Bldg.

BANK OF TOKYO—Tel 241-2381/98. Address: 1-chome, Nihombashi Hongokuchō, Chuo-ku.

DAI-ICHI BANK—Tel 231-1511. Address: Marunouchi.

DAIWA BANK—Tel 231-1231. Address: 2-chome, Otemachi, Chiyoda-ku.

FUJIBANK—Tel 231-3451. Address: Otemachi, Chiyoda-ku.

INDUSTRIAL BANK OF JAPAN—Tel 281-0251. Address: 1-chome, Marunouchi.

NIPPON KANGYO BANK—Tel 591-4161. Address: 1, Uchisaiwaicho.

NETSUI BANK—Tel 501-1111. Address: Yurakucho, Chiyoda-ku.

MITSUBISHI BANK—Tel 201-8111. Address: 1-chome, Marunouchi.

SANWA BANK—Tel 281-3051, 3061. Address: Marunouchi.

SUMITOMO BANK—Tel 211-1111. Address: 8, 1-chome, Marunouchi.

TOKAI BANK—Tel 272-1361. Address: 1-chome, Nihombashi-dori.

SERVICE CLUBS

ROTARY CLUB

Rotary Clubs meet every day of the week from 12:30pm to 1:30pm. These are just a few of the luncheon meetings. Foreign guests are welcome and English translations are provided.

Monday—Tokyo Kaikan, Tuesday—Palace Hotel, Wednesday—Imperial Hotel, Thursday—Hotel New Japan, Friday—Hotel Okura, Saturday—Ginza Tokyo Hotel.

LIONS CLUB

Kantoh Lions Club (English-speaking) meets first and third Thursdays from 6:30pm at Tokyo Hilton Hotel.

SEE YOU AT THE OLYMPICS

Services

BARBER SHOP

NEW ORIENTAL—Tel 501-5511, ext. 326. Address: Hotel New Japan Arcade, Nagata-cho. Sanitary, speedy service by experienced barbers. No waiting. Open daily 9am-7pm.

BEAUTY SALON

NATALIE'S INSTITUTE DE BEAUTE—Tel 481-2614. Address: 2, 7-chome, Akasaka Tamachi, Minato-ku. Reducing massage with steam and paraffin bath including facial treatment.

SHISEIDO—Facial treatment, hair dressing and body massage. Shibuya Shop: 3rd flr, Shibuya Tokyo Bunka Kaikan, 36 Konnocho, Shibuya-ku. Tel 408-1174/6. Ginza Salon (South): 4th flr, Shiseido Kaikan, 2, 8-chome, Ginza, Chuo-ku. Tel 572-2121/9. Ginza Salon (North): 2nd flr, Ginza Shiseido Cosmetic Store, 2, 7-chome, Ginza, Chuo-ku. Tel 571-4511. Nihombashi Shop: 4th flr, Shirokiya Department Store, Nihombashi, Chuo-ku. Tel 211-2066.

DRUGS STORES

Most Japanese drug stores carry the ordinary medicines such as aspirins and cold tablets under international trade names. Peroxide, mercurochrome

and iodine are available under Japanese names. In addition there are drug stores which handle improved medicines and drugs.

AMERICAN PHARMACY—Tel 271-4034/5. Address: Nikkatsu Int'l Bldg., 1-chome, Yurakucho. Your American drug store in Japan has everything that a stateside corner drug store has and more. Large selection of imported medicines and household sundries. Open 9am-7pm. Sundays and holidays 11am-6pm.

FUJI PHARMACY—Tel 231-0745. Address: Sankel Building, Otemachi. Drugs and cosmetics. Both imported and domestic. Open 8am-8pm.

HIBIYA PHARMACY—Tel 501-6377/8. Address: Hibiya-Mitsui Bldg., Yurakucho. Drugs, cosmetics and sundry goods, both domestic and imported. Open 10am-7pm.

HOSPITAL CLINICS

CENTRAL CLINIC—Tel 571-2841 (Night calls 571-4636). Address: 3, 8-chome, Ginza, Chuo-ku. Dr. Frank Eto & Associates. Physician and surgeon, X-rays, diathermy, laboratory pregnancy tests, vaccinations, inoculations.

CHIYODA CLINIC—Tel 271-9872. Address: Nikkatsu Arcade, basement, Nikkatsu Bldg., Yurakucho. Plastic and cosmetic surgery of the nose, eyes, ears and face. Ask for Dr. Furukawa.

ST. LUKE'S INT'L HOSPITAL & CLINIC—Tel 541-5151. Address: 53, Akaschicho, Chuo-ku.

ST. MARIA HOSPITAL (SEIBO BYOIN)—Tel 951-4163. Address: 670, 2-chome, Shimo-ochiai, Shinjuku-ku.

TOKYO SANITARIUM CLINIC—Tel 401-1282. Address: 164, 3-chome, On-

den, Shibuya-ku.

TOKYO SANITARIUM HOSPITAL—Tel 391-5161/3. Address: 171, 1-chome, Amanuma, Suginami-ku.

LANDSCAPE GARDENER

ISHIMOTO—Tel 271-3521. Address: Central Bldg., 1-2 Kyobashi, Chuo-ku, Japan's foremost specialist in Japanese landscape gardening.

SHOPPING SERVICE

PENNY'S SHOPPING SERVICE—Tel. 481-1993. Address: 19, Nakano-cho, Akasaka, Minato-ku.

TURKISH BATHS

CHIKU KAikan—Tel 371-6228/9. Address: 21, Kabukicho, Shinjuku-ku. Tokyo's newest Turkish bath offers you ultra-modern facilities and excellent service. Moderate rates from ¥800. Open 1pm-12 midnight.

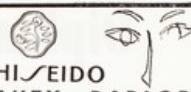
HOTEL OKURA—Tel 481-8011 Ext. 2318 for reservations. Turkish bath with trained masseuse in individual rooms. Rates ¥600 bath only, ¥1,200. Open 10am to 10pm.

IZUMI—Tel. 581-4511 ext. 65 & 133. Address: Basement of Tokyo Hilton Hotel, Nagatacho, Chiyoda-ku. Turkish-type bath with young masseuses. Open 10am-10pm.

KORAKUEN STEAM BATH (Sultan)—Tel 811-2111. Third flr., Korakuen Bowling Center. Male course 1,000. Private rooms for ladies. Steam boxes, Vibration bath and pressure shower. Open 11am-11pm.

RAKUTENCHI ONSEN HALL—Tel 631-6426. Address: in front of Kinshicho Station on the Sobu Line leaving Ochanomizu. The largest bath house in Tokyo with 26 Turkish bath rooms on the 5th floor with young masseuses. Massage, steam bath, shave. Open 10am-10:30pm. Hilton Branch

SANTE BATH—Tel 369-2156/8. Address: 441, 1-chome, Nishi-Okubo, Shinjuku-ku. French-style steam bath for the first time in Japan. Served experienced women masseuses. Open 1pm-1am.



SHISEIDO BEAUTY PARLOR

TOKYO BUNKA KAikan: 3rd fl. Shibuya, Tokyo 401-7439

SHISEIDO KAikan: 4th fl. Ginza 5th, Tokyo 572-2121

SHISEIDO COSMETICS STORE: 2nd fl. Ginza 5th, Tokyo 571-4511

SHIROKIYA DEPT. STORE: 4th fl. Nihombashi, Tokyo 211-2066

MEITETSU DEPT. STORE: 6th fl. Nagoya 55-0087

OSAKA TOEI KAikan: 7th fl. Osaka 361-5153

TENZIN BLDG.: 10th fl. Fukuoka 75-5768

HSC SANJO BLDG.: 2nd fl. Sapporo 2-5656



TURKISH BATH

OPEN DAILY 10 a.m. - 10.30 p.m.

Relax in a clean Turkish-type bath attended by a pretty Miss Turkolmasseuse. You won't be able to find this service anywhere in the world but Japan. Bath at the Tokyo Rakutenchi and the Izumi in the basement of the new Tokyo Hilton Hotel you can find unsurpassed service.

TOKYO RAKUTENCHI
T Avenue at 25th Street,
In front of Kinshicho Station
Tel. (631) 6426
For Taxi: 銀座町駅前・東天地温泉5階

IZUMI
A branch in the basement of the new TOKYO HILTON HOTEL
Tel. 581-4511 (Ext. 65 & 133)
For Taxi: 東京ヒルトンホテル

Diplomatic Corps

(E) indicates Embassy, (L) Legation and (C) Consulate.

Afghanistan (E)—Tel 408-0638.
 Argentina (E)—Tel 401-9508.
 Australia (E)—Tel 453-0251.
 Austria (E)—Tel 451-8281.
 Belgium (E)—Tel 301-0191/3.
 Bolivia (E)—Tel 408-5010.
 Brazil (E)—Tel 408-9237/8.
 Britain (E)—Tel 331-5551.
 Bulgaria (L)—Tel 341-0349.
 Burma (E)—Tel 441-9291.
 Cambodia (E)—Tel 401-0192.
 Canada (E)—Tel 408-2101/8.
 Ceylon (E)—Tel 473-2154.
 Chile (E)—Tel 271-7581.
 Colombia (E)—Tel 401-4289.
 Cuba (E)—Tel 408-9022.
 Czechoslovakia (E)—Tel 401-3116/7.
 Denmark (E)—Tel 271-3338/9.
 Dominican Republic (E)—Tel 591-3141 ext. 104.
 Ecuador (E)—Tel 452-2809.
 El Salvador (L)—Tel 401-8224.
 Ethiopia (E)—Tel 408-6877.
 Finland (E)—Tel 481-7790.
 France (E)—Tel 473-0171/7.
 Germany (E)—Tel 473-0151.
 Ghana (E)—Tel 481-2253.
 Greece (E)—Tel 541-2411 ext. 711.
 Haute Volta (E)—Tel 812-2820.
 Hungary (L)—Tel 401-0296.
 India (E)—Tel 301-2391/8.
 Indonesia (E)—Tel 441-4201/5.
 Iran (E)—Tel 473-4237/9.
 Iraq (E)—Tel 401-7974.
 Israel (L)—Tel 467-7161/3.
 Italy (E)—Tel 451-3460.
 Kuwait (E)—Tel 441-4088.
 Laos (E)—Tel 408-1166/7.
 Liberia (E)—Tel 481-0009.
 Lebanon (E)—Tel 481-4248.
 Malaysia (E)—Tel 941-8789.
 Mexico (E)—Tel 581-1131.
 Netherlands (E)—Tel 431-5126.
 New Zealand (E)—Tel 331-4228.
 Nicaragua (L)—Tel 461-9235, 7074.
 Norway (E)—Tel 481-4472.
 Pakistan (E)—Tel 451-8386.
 Panama (E)—Tel 362-1500, Consulate 371-4517.
 Paraguay (L)—Tel 717-3391.
 Peru (E)—Tel 401-9807.
 Philippines (E)—Tel 481-4101.
 Poland (E)—Tel 341-4281.
 Portugal (E)—Tel 467-8366.
 Republic of China (E)—Tel 408-5131/5.
 Saudi Arabia (E)—Tel 408-5158/9.
 South Africa (C)—Tel 265-3366/9.
 Spain (E)—Tel 481-8531.
 Sweden (E)—Tel 481-6981.
 Switzerland (E)—Tel 473-0121/3.
 Thailand (E)—Tel 441-1386.
 Turkey (E)—Tel 401-2144.
 United Arab (E)—Tel 362-0810, 0908.
 Uruguay (E)—Tel 591-3141 ext. 164.
 U.S.A. (E)—Tel 481-7141.
 U.S.S.R. (E)—Tel 481-4224.
 Vatican (E)—Tel 331-5993, 6802.
 Venezuela (E)—Tel 451-3377; Counselor section 281-6174.
 Vietnam (E)—Tel 371-6197; (L) 281-6174.
 Yugoslavia (E)—Tel 473-1234.



Transportation

INTERNATIONAL AIRLINES

AIR FRANCE—Tel 501-6331. Address: Hibiya-Mitsui Bldg., Yurakucho. Airport 741-0726/9.
AIR-INDIA—Tel 501-6361/3. Address: Hibiya-Mitsui Bldg., Yurakucho. Airport 741-1956.
ALITALIA—Tel 211-7556. Address: Rm 111 Palace Bldg., Marunouchi. Airport 741-3281 ext. 337.
ALL NIPPON AIRWAYS—Tel 211-6311. Address: Taisho Seimei Bldg., Yurakucho. Airport 741-1559, 0931.
AMERICAN AIR LINES—Tel 591-0833. Address: Imperial Hotel, Uchisaiwaicho.
BOAC—Tel 591-1261, 9221/5. Address: Sanshin Bldg., Yurakucho. Airport 741-1537.
CPAL—Tel 281-7426. Address: Nikkatsu Bldg., Yurakucho. Airport 741-1376.
CATHAY PACIFIC—Tel 212-3526/9. Address: Palace Bldg., Marunouchi. Airport 741-1537.
CAT—Tel 591-5211. Address: Fukoku Bldg., Uchisaiwaicho. Airport 741-1669, 0611.
GARUDA—Tel 502-0620, 0628/9. Address: Nisseki Main Bldg., 4, Shiba Tamuracho, Minato-ku. Imperial Hotel—Tel 501-3663.
HAWAIIAN AIRLINES—Tel 591-3141 ext. 136. Address: Rm. 136, Imperial Hotel, Uchisaiwaicho, Chiyoda-ku.
JAL—Tel 231-1411. Address: Daini Tekko Bldg., Marunouchi. Airport 742-1141.
KLM—Tel 281-2751. Address: Nittobo Bldg., Yaesu. Airport (741-1526. After office hours: 721-7397 (Mr. H. S. Jonker), 401-3904 (Mr. J.W. van Straten), 402-0674 (Mr. S. Onose).
LUFTHANSA—Tel 501-6471/5. Address: Hibiya-Mitsui Bldg., Yurakucho. Airport 741-9669.

NORTH JAPAN AIRLINES (domestic service) In Palace Hotel, 1-chome, Marunouchi. Tel 211-4761/3.

NORTHWEST—Tel 211-7211. Address: Nikkatsu Bldg., Yurakucho. Airport 741-0637/8.

PAA—Tel 211-2441. Address: Mitsubishi Shoji Bldg., Marunouchi. Airport 741-1090.

QANTAS—Tel 211-4481. Address: Tokyo Chamber of Commerce Bldg., 3-chome, Marunouchi. Airport 741-1537.

SAS—Tel 231-5161/9. Address: Tokyo Trade Center, 2, 1-chome, Otemachi. Airport 741-1705, 1725.

SWISSAIR—Tel 212-1011/6. Address: Nikkatsu Bldg., Yurakucho. Airport 741-1513. Imperial Hotel Office 591-3141.

THAI AIRWAYS—Agents SAS.
TRANS-CANADA AIRLINES—Tel 591-2776. Address: Suite 166, Imperial Hotel.

TRANS WORLD AIRLINES—Tel 501-2831. Address: Imperial Hotel, Uchisaiwaicho.

UNITED AIR LINES—Tel 591-7025. Address: Imperial Hotel, Uchisaiwaicho.

UNITED ARAB AIRLINES—Tel 211-4521. Palace Bldg.

VARIG—Tel 211-6751/5. Address: Rm 401, Palace Bldg., Marunouchi.

DOMESTIC AIRLINES

Japan Air Lines has 19 daily flights to Osaka, nine to Fukuoka five to Hokkaido.

All Nippon Airways has 13 daily flights to Osaka, five to Fukuoka. The ANA local network includes Hiroshima, Nagoya, Niigata, Hachijo Island, and Oshima Island.

Schedule subject to seasonal changes. Call Japan Air Lines, Japan Travel Bureau or your travel agent for latest timetable.

BUSES

There are bus, railway and air facilities within Japan. Long-distance buses, except for the ones operated by the Japan Travel Bureau and the Fujita Travel Service run between Tokyo and Kyoto which are more or less, conducted tours, in air-conditioned coaches.

There is bus service between Tokyo and Sendai, Tokyo and Nagano but not recommended.

SHIPPING

AMERICAN PRESIDENT LINES—Tel 201-6831/8. Address: Marunouchi Bldg., Marunouchi. Imperial Hotel Office 591-0898.

BUTTERFIELD & SWIRE—Tel 211-3611. Address: Togin Bldg., 1-chome, Marunouchi.

EVERETT STEAMSHIP CORP. S/A—Tel 501-0211. Address: 4, 1-chome, Yurakucho, Chiyoda-ku.

HONGKONG AND EASTERN—Tel 212-3511. Address: Room 110, Otemachi, Bldg., 4, 1-chome, Otemachi.

KANSAI LINES—Tel 281-2621. Address: Tokyo Tatemono Bldg., Yaesu.

MACKINSONS—Tel 211-4471/6. Address: Tokyo Chamber of Commerce Bldg., 3-chome, Marunouchi.

MAERSK LTD., Japan Branch—Tel 211-6341/50. Address: 4th fl., Palace Bldg., Marunouchi, Chiyoda-ku.

MESSAGERIES MARITIMES (MM Line)—Tel 211-1703/5. Address: Shin Otemachi Bldg., Otemachi.



NYK—Tel 281-3621, 5731. Address: NYK Bldg., Marunouchi.

OSK—Tel 591-9111. Address: Osaka Bldg., 2-gokan, Uchisaiwaicho.

P & O ORIENT—Tel 211-4471/9. Address: Tokyo Chamber of Commerce & Industry Bldg., 3-chome, Marunouchi.

ROYAL INTEROCEAN LINES—Tel 273-6981/8. Address: Nikkatsu Bldg., Yurakucho.

STATS MARINE LINES—Tel 201-7831/9. Address: Otemachi Bldg., 4, 1-chome, Otemachi.

TOKAI LINE—Tel 431-6171/9. Address: Takeshiba Pier, Minato-ku.

UNITED STATES LINES—Tel 503-2441. Address: Mori Bldg., 14, 2-chome, Tamuracho.

TRAINS

Japan has an excellent nationalized network of railroads supplemented by private lines around many cities.

There are streamlined express trains running between Tokyo and Osaka, north to the Japan Sea coast and up to Hokkaido. From Osaka, the National Railways stretch out to Shikoku and Kyushu.

To be ready in 1965 is a "High Speed" Express over the New Tokaido which will link Tokyo with Osaka in three hours.

At the present time there are 62, semi-expresses, expresses and limited expresses between Tokyo and Osaka. There are 14 limited expresses from Tokyo to Osaka every day, making the run to the Western Japan metropolis in 6 hours 30 minutes. Expresses and semi-expresses, which also have first and second class coaches, run a bit slower. Recommended are the Kodama, Fuji, Tsubame, Hato, Asakaze, Havanbasa.

Limited express trains for Osaka and other points:

Kodama-1 (Osaka)	7:00
Hibiki-1 (Osaka)	7:45
Fuji-1 (Uno)	8:00
Tsubame-1 (Hiroshima)	9:00
Hato (Osaka)	13:00

"And don't let any man bite off more than he can chew!"

—EPS



Kodama-2 (Osaka)	14:30
Hibiki-2 (Osaka)	15:20
Fuji-2 (Kobe)	15:30
Tsubame-2 (Osaka)	16:30
Sakura (Nagasaki)	16:35
Ohtori (Nagoya)	18:00
Mizuho (Kumamoto)	18:20
Asakaze (Hakata)	18:30
Havanbasa (Nishi-Kagoshima)	19:00

Night sleeper trains for Osaka and other points:

Izumo (Hamada)	19:50
Ise-Nachi (Toba-Shingu)	20:00
Noto (Kanazawa)	20:20
Aki (Hiroshima)	20:30
Ginga (Kobe)	20:40
Seto (Uno)	21:00
Myojo (Osaka)	21:10
Tsukushi-Bungo (Hakata-Oita)	21:30
Suisei (Osaka)	21:40
Akatsuki (Osaka)	21:50
Gekko (Osaka)	22:00
Kinsei (Osaka)	22:10
Yamato (Minatomachi)	22:45

HAKONE (via Yumoto)

The Odakyu (Odawara Electric Railway) operates nonstop streamliners to Yumoto, gateway to the Fuji-Hakone National Park, from Shinjuku Station. There are eight daily on weekdays, 12 on Saturdays and Sundays.

HAKONE, ATAMI, ITO AND SHIMODA

There are fast Shonan electric trains to Hakone (change at Odawara), Atami and Ito. There are also expresses which run direct to Ito and to Shimoda via the Izukyu Railway.

There are 15 Shonan expresses direct to Ito and Shimoda daily. Two Izukyu expresses go to Shimoda.

NIKKO

Both the National Railways and the Tobu Line operate express trains direct to Nikko. The National Railways trains leave from Tokyo Central Station, the Tobu trains from Asakusa Station.

There are six Tobu expresses and two National Railways to Nikko.

Sightseeing Tours

FUJITA COACH TOURS using deluxe air-conditioned motor coaches: 6-Day Tokyo-Mt. Fuji-Hakone-Pearl Island-Kyoto-Nara-Osaka (\$118), 5-Day Tokyo-Hakone-Pearl Island-Kyoto-Nara-Osaka (\$98), 8-Day Tokyo-Hakone-Pearl Island-Kyoto-Nara-Osaka-Inland Sea (\$176), 9-Day Tokyo-Mt. Fuji-Hakone-Pearl Island-Kyoto-Nara-Osaka-Inland Sea (\$196), 2-Day Hakone (\$25), 3-Day Fuji-Hakone (\$50) and 2-Day Fujiyama (\$38). Bookings at your hotel or travel agent. For further information call 571-8754. Address: 6-chome, Ginza Nishi.

JAPAN GRAY LINE offers night tour (\$13.33 or \$4,800) with Japanese dinner, geisha party, cabaret and deluxe night club. Tokyo afternoon sightseeing tour (Meet Japan Tour) includes Imperial Palace Plaza, National Diet Building, Prime Minister's Official Residence, Akasaka Detached Palace, Meiji Park, private Japanese home, Meiji Shrine, tea stop at Isetan Department Store and Tojo Wedding

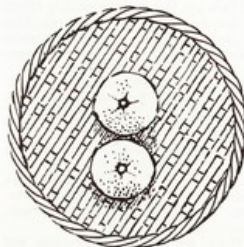
Hall. (¥1,000 or \$2.78) Morning tour (Ohayo Tour) includes Tokyo Tower, Asakusa Kannon Temple and Nakamise Arcade, Sumida Park, Nihombashi and Ginza shopping districts (¥900 or \$2.50). Tel 591-0778.

JAPAN TRAVEL BUREAU (JTB) operates the largest number of tours throughout Japan. In Tokyo, there is the One-Day Tour (\$6.95), Art Around Town Tour (\$4.20), Seven Wonders Tour (\$6.95), Tokyo Industrial Tour (\$4.20), Tokyo Silver Night Tour (\$10.00) and Tokyo Golden Night Tour (\$12.50). One-Day Tour to Kamakura and Hakone (15.00), 2-Day Tour to Hakone and Kamakura (\$29.60), 2-Day Fuji Lakes Tour (\$29.60) and 5-Day Tokaido Adventure Tour, motor-coach tour, (\$108.00). For further information, call nearest JTB office or any hotel desk information. Tel 211-2759 (Main Office).

PIGEON BUS TOURS of Tokyo: morning tour ¥1,000, afternoon ¥1,000, historical tour ¥2,000 and night tour 2,500. For further information. Tel 231-0566/8.

PACIFIC TRAVEL SERVICE INC.—Tel 281-9864/5, 0462/3. Address: Kishimoto Bldg., 18, 2-chome, Marunouchi, Chiyoda-ku. Highlight tour with guides covers all Tokyo's points of interest with stops at Tokyo Tower, Imperial Palace grounds, Ueno Park and Asakusa Kannon Temple. ¥1,000 including refreshments. 9:30am-1:15pm. Ginza Branch—Tel 535-2874/5, 4812. Address: Ginza Bldg., 3-chome, Ginza-Nishi. Chuo-ku.

TOKYO TOURIST INC.—Tel 541-2411 Ext. 152, 27. Address: (in basement Ginza Tokyu Hotel) 5, 5-chome, Ginza-



higashi, Chuo-ku. Fun 'n' Frolic Night Tour ¥4,200 includes sightseeing, cabaret-theater show, Sukiyaki dinner, Geisha show and entertainment. Nightly from 6:30pm to 11:30pm, well-trained English-speaking guides. Other services: Tokyo City tour, excursion to Kamakura, Hakone, Nikko by private car.

TOURIST INFORMATION

TOURIST INFORMATION CENTER — Tel 502-1461/2. Address: Kotani Building, 1-chome, Yurakucho, Chiyoda-ku. Information on hotel accommodations, railway and air reservations, souvenir shops and theatres. No tickets are sold here. Telephone information in English, French, German and Spanish. Also library and auditorium.

TRAVEL AGENCIES

AMERICAN EXPRESS—Tel 211-0481/9. Address: Tokyo Chamber of Commerce Bldg., 3-chome, Marunouchi. Imperial Hotel Office. Tel 591-9829; Hotel New Japan Office. Tel 501-5583.

BRADEN KEIHIH TOUREAST — Tel 591-5411/5. Address: Rm 133, Sanashin Bldg., 10, 1-chome, Yurakucho, Chiyoda-ku.

EVERETT TRAVEL SERVICE — Tel 501-0211. Address: Everett Bldg., 4, 1-chome, Yurakucho.

FUJITA TRAVEL SERVICE—Tel 572-0161 ext. 18, 19, 20. 571-8754, 5342. Address: Fujita Bldg., 6, 7-chome, Ginza-Nishi, Chuo-ku.

HANKYU EXPRESS INT'L CO. — Tel 201-5611/8. Address: 3, 1-chome, Yurakucho, Chiyoda-ku.

JAPAN EXPRESS—Tel 271-3825. Address: 4, 3-chome, Marunouchi, Chiyoda-ku.

JAPAN GRAY LINE—Tel 591-0778, 1749. Address: 9, 2-chome, Minami-Sakuma-cho, Shiba, Minato-ku. Complete travel service and conducted tours.

JAPAN TRAVEL BUREAU—Tel 211-3211. Main ticket and information offices: Tel 591-6001 Imperial Hotel; Tel 271-2520, Nikkatsu Hotel; Tel 201-2181, Marunouchi; 201-2441/7, under the elevated railway next to Yurakucho Station.

KINTETSU AIR & SEA SERVICE—Tel 231-4131. Address: Kokusai Kanko Kaikan, Marunouchi, Chiyoda-ku.

NETSUI LINE AIR SERVICE—Tel 270-5551. Address: 3-3, Muromachi, Nishimbashi, Chuo-ku.

MAYAKO TRAVEL SERVICE, INC.—Tel 501-3411/5, 3287/9. Address: 2, Kotohiracho, Shiba, Minato-ku.

NEW ORIENT EXPRESS—Tel 211-4611. Address: Tosho Bldg., 14, 3-chome, Marunouchi, Chiyoda-ku.

NIPPON EXPRESS (NEC)—Tel 571-8481. Address: 2, 1-chome, Shiba Shimbashi, Minato-ku.

NIPPON TRAVEL AGENCY—Tel 591-4226/9. Address: Yamaguchi Sangyokan Bldg., 1, 2-chome, Shiba Tamura-cho, Minato-ku.

TOKYO SIGHT-SEEING TOURS

MORNING TOUR : 3 HOURS of interest plus flower arrangement, private home, etc. **ONLY \$ 2.78** (¥1,000) per person including refreshments. **NIGHT TOUR** : 4 BIG STOPS (6:30-11:30 nightly). A typical Japanese dinner. Geisha party at the best Geisha house plus a Japanese-style cabaret with hostess and a deluxe night club. Have a drink at every stop. Unescorted ladies are welcome! All-inclusive price **ONLY \$ 13.34 (¥ 4,800)** including souvenir. For details, ask your hotel's Information Desk or call **591-0778, 1749**

JAPAN GRAY LINE





"I'm like his life insurance policy—we both have a cash surrender value."
—EPS

PACIFIC TRAVEL SERVICE, INC. — Tel 281-9964/5, 0462/3. Address: Kishimoto Bldg., 18, 2-chome, Marunouchi, Chiyoda-ku.

SEIBU DODWELL — Tel 535-5750/53, 561-7449. Address: Toka Bldg., 2, 1-chome, Ginza Higashi, Chuo-ku.

SITA WORLD TRAVEL — Tel 271-7146. Address: Nikkatsu Int'l Bldg., 1, 1-chome, Yurakucho.

TOKYO TOURIST INC. — Tel 481-5193, 5183. Address: Akasaka Mitoko Bldg., 3, Akasaka Nakanomachi, Minato-ku. **TRAVEL CENTER OF JAPAN** — Tel. 567-8855/8. Address: Daini Yoshida Bldg., 2, 2-chome, Ginza, Chuo-ku. Also Imperial Hotel 501-3070.

LIMOUSINE SERVICE

IMPERIAL HOTEL LIMOUSINE SERVICE provides air-conditioned sedans with English-speaking chauffeurs for hire by guests. Rates: ¥1,000 per hour or ¥15,000 per day. For sightseeing within Tokyo city limits ¥1,100 per

hour. There are a number of sightseeing trips to nearby points—one-way trip to Miyazoshita, Hakone, ¥10,000; sightseeing around Hakone is an extra ¥3,000; one-way to Hakone by way of Kamakura, ¥12,000 and a roundtrip ¥20,000; one-way trip to Kanaya Hotel, Nikko, ¥14,000; sightseeing to Lake Chuzenji and Kegon Falls, ¥3,000 extra; roundtrip to Toshogu Shrine, Nikko from Tokyo, ¥21,000 and to Lake Chuzenji ¥24,000. For other trips, call directly Information Desk, Imperial Hotel, or Limousine Service, Tel. 591-9935.

RENT-A-CAR

JAPAN RENT-A-CAR SYSTEM — Tel. 741-9666, or 326 ext. 229 & 342. Address: Tokyo Int'l Airport; Shibuya Branch—Tel. 401-7131 ext. 349. Address: Tokyu Bunka Kaikan, 36, Konnocho, Shibuya-ku. Both short and long term available. Type of cars: Ford Galaxie and Japan's leading models.

Travel Tips

IF you plan to do a lot of shopping in Japan, be sure to ask for and get a tax-free blank at Customs when you

TAX-FREE SLIPS

arrive at the Tokyo International Airport. If you don't, you will find that you will not be able to purchase many tax-free items—such as cameras, binoculars and pearls. For most items under \$25, shops do not bother to give a tax-free price. By the way, be sure that items purchased tax-free and listed on your exemption slip are easily found to show the Customs on departure. This is to ensure that you have not given tax-free articles to residents. Look for your tax-exemption slip when you clear Customs. It's pasted inside the back cover of your passport.

If you don't have a slip and need it for tax-free purchases, you must go back to Haneda or to the Tokyo Port Customs at Takeshiba Pier.

ONLY the American dollar, Austrian schilling, British pound sterling, Belgian franc, Canadian dollar, Danish krone, Dutch guilder, French franc, German mark, Italian lira, Norwegian krone, Portuguese escudo, Swedish franc and Swiss franc are convertible into Japanese yen and only at foreign exchange

FOREIGN EXCHANGE

banks. While traveling in Japan, it is advisable to carry U.S. dollars and pound sterling. Travelers' checks will be cashed at most hotels and authorized shops in the larger cities but it is often difficult to do so in the rural countryside. Tourists are advised to

carry sufficient yen for traveling purposes unless hotel or inn accommodations are paid in advance.

TIPPING is officially frowned upon by restaurants and hotels which will add a 10 per cent service charge instead. But, if you ask for and receive extra service, there is no reason why you cannot press a monetary remuneration upon the employee—if it's done discreetly.

In the case of Red caps, who live on their tips, ¥100 per bag is in order.

Bar girls and cabaret hostesses insist on and often ask for a tip—over and above the service charge or hostess charge. That's the system.

CUSTOMS regulations have been eased for the benefits of foreign tourists. Every tourist may bring in one

carton of cigarettes or a box of 50 cigars, six bottles of whisky or other liquor, one camera (unless the individual is a professional photographer), one set of golf clubs or two dozen golf balls.

If you smoke a hard-to-get brand, better bring in extra cartons and pay the duty, it's worth it. Only major brands are sold in Japan and you must pay duty on them anyway. Available also are a number of Japanese brands which are not too bad. Suggested are Fuji, which is an English type cigarette (¥50 for 10); Hope, which is cork-tipped and filtered (¥40 for 10); Olympias (¥50 for 10) and (filtered ¥60 for 10), and Hi-Lite which is king-size and filtered (¥70 for 20).

CIGARETTES, LIQUOR

Around the Town

Additional CAT Osaka Service

CIVIL AIR TRANSPORT announced that its Mandarin Flight DC-6B will provide additional services to and from Osaka starting February 1.

The Mandarin Flight will depart Taipei at noon every Tuesday, with a 35-minute stopover in Okinawa, and arrive at Osaka at 6:20pm. On Wednesday, the Mandarin Flight will depart from Osaka at 9am and arrive in Taipei at 2pm with a 35-minute stopover in Okinawa.

With these additional flights, CAT

now provides two more connecting flights; one to Osaka for north bound passengers leaving Hong Kong on Tuesday and one to Manila for south-bound passengers leaving Osaka on Wednesday.

New AA Sales Rep

AMERICAN AIRLINES' Regional Director J. Merrick Fowler announced the appointment of Yoshiro Seki to the District Sales Office staff in Tokyo. Mr. Seki, for the past three years, has been associated with the KLM sales organization.

Fujita Offers 11 Tours

THE first of the over 500 regularly scheduled Fujita De Luxe Motorcoach Tours for the New Year 1964 started auspiciously on the morning of the 10th of January from Tokyo carrying a full complement of foreign tourists from all corners of the world. The popular Fujita tours numbering

Nagoya, Kyoto, Nara, Osaka and the Inland Sea areas.

Mike Imai, Manager for Fujita Travel Service, is shown fourth from the extreme left in the photo with the tour group that started their journey in front of the Imperial Hotel.

Mr. Imai predicts a banner year on



11 package tours—with 2-day tours to more 10-day tours—have become increasingly popular among foreign tourists.

Fujita tours highlights visits to all the important tourists attraction of Japan that include Kamakura, Hakone,

his company's tours this year with an expected volume of over 20,000 foreign tourists, seven times the figure that was handled when Fujita originated the air conditioned overland deluxe motorcoach tour three years ago in 1962.



MERLIN E. NELSON, President of AMF International, a division of the

American Machine & Foundry Company of New York, flew in last week for a 10-day visit to Japan. He was accompanied by his wife. The purpose of his visit is to see at first-hand the Japanese market and industry and to meet with officials of AMF's associate companies and representative licenses and agents in Japan to discuss ways and means of expanding AMF operations in Japan. Among AMF products are automatic bakery machinery, nuclear reactors, Ben Hogan golf clubs and equipment, Voit skin-diving and other sports equipment, automatic cigarette-making machines and the AMF "Magic Triangle" line of fully-automatic bowling equipment. Mr. and Mrs. Nelson stayed at the Hotel Okura.

Full-Show Program At Hilton Star Hill Club

THE Tokyo Hilton has initiated a full-show entertainment program at its Star Hill Club where top talent is to be presented for the price of dinner alone. There is no separate cover charge.

General Manager Olaf S. Bonde said, "The Tokyo Hilton is the only hotel in Japan arranging its own regular chows, and presenting them in its own supper club. We want to provide our guests with first class international entertainment."

The inaugural show, running until February 2, stars Jamaican singer Wilma Reading and features the Apollo Jazz Dancers and Seiji Hiraoka and his Quintet. Entitled "Showtime On Broadway," the program focuses on music from well-known Broadway stage productions.

The 23-year-old Miss Reading, who measures 36-24-38, is billed as the "Jamaican Bombshell." Although her singing style has been compared to that of Della Reece and Lena Horne, she claims not imitate anyone. Rather, she is trying to achieve individuality

by developing her uniqueness.

Future shows, changing every two weeks, will strive for unity of theme by concentrating on Broadway shows and music.



WILMA READING, known as the "Jamaican Bombshell," stars in "Showtime on Broadway" in the Star Hill Club at the Tokyo Hilton Hotel.

Points of Interest

AKASAKA DETACHED PALACE was built in 1909 as the residence for the Crown Prince. The Prince of Wales stayed at the Palace when he visited Japan in 1922. Designed as a western palace, and using imported granite and marble exclusively, it resembles the Palace of Versailles outside Paris. For a time after the war, the Palace housed the National Diet Library. Now it is used as headquarters by the Organizing Committee for the 18th Olympiad. After the Olympics, it will be remodelled for use as a Guest House for State Guests.

CENTRAL FISH MARKET is located in the Tsukiji district about six blocks from the Ginza. The Fish Market is part of the huge Central Wholesale Market which handles fish, meat, fruit and vegetables for Tokyo's millions.

GINZA, once a center for buying and selling silver, is now one of the best shopping districts in Tokyo. Extending from Kyobashi Bridge to Shimbashi Bridge, it is lined with quality shops and fine department stores. Crowded into the back streets of the Ginza are hundreds of tearooms, coffee shops, bars, large cabarets, and nightclubs.

IMPERIAL PALACE, where the Emperor and Empress now live, is the central point of interest in Tokyo. It has been the home of the Imperial Family for nearly a century since 1869 when the capital was moved to Tokyo from Kyoto.

The Emperor and Empress now live in their new residence, Fukiage Palace, completed at the beginning of December, 1961. An official palace is now under construction. The original palace, destroyed by fire-bombs during World War II, was a series of temple-like buildings, similar to the old Imperial Palace in Kyoto. Today, the new palace, several smaller residences and the Imperial Household Agency remain on 150 acres of palace grounds surrounded by moats.

The general public is permitted to visit the Imperial Palace twice a year: January 2nd, and the Emperor's birthday, April 29th. Foreign tourists may obtain special permits from the Imperial Household Agency to enter a portion of the palace grounds on other days.

Ordinarily, visitors may go no farther than Nijubashi (Double Bridge), the main entrance to the Palace. Another entrance Sakuradamon used to be the main entrance of the old Shogun's Castle before the 1868 Restoration. In front of the Palace proper is the Imperial Plaza, which today is a public park.

KABUKIZA THEATER is the home of the classical Japanese Kabuki drama. The modern ferro-concrete structure was completed in December, 1950, at a cost of ¥281 million, much of it through public contributions.

KODOKAN, mecca of Judo, is located near Korakuen, Suidobashi, Bunkyo-ku. Everyday from 3pm to 7:30pm on weekdays, and 9am-12 noon on Sundays, heavy training takes place in the main gymnasium on the second floor, and in small gymnasiums on various floors of the 7-story building. Judo as it is today was organized in 1882 by Jigoro Kano. The present building was erected in 1958 at a cost of ¥270 million, through donations from 3.5 million Judo followers and patrons.

JINTAN TOWER, built by the Morishita Jintan Company, on Miyamasu Hill overlooking Shibuya, Tokyo, is the brightest advertising tower in Tokyo. It stands 163 feet high and uses 5,300 fluorescent lamps. Jintan Tower was completed on December 23, 1961. At the foot of this tower is a police box and an information center.



METROPOLITAN FESTIVAL HALL, in Ueno Park, was the first concert hall in Japan designed particularly for music. Completed in April, 1961, the hall seats 2,430 persons.

NATIONAL DIET BUILDING, on Kasumigaseki Hill, dominates the Tokyo skyline with its imposing pointed tower. Completed in October, 1936, after 18 years of labor, the building contains the House of Councillors (upper house) and the House of Representatives (lower house). Visitors are permitted to observe the Diet in session from the Visitors' Gallery. Tickets may be obtained from members of the Diet, embassies, legations, or the Foreign Office.

NATIONAL MUSEUM, in Ueno Park, is the largest in this country, housing national treasures and important cultural properties such as antiques, paintings, sculptures, dyes, metalware, pottery, and other works of the ancient and middle ages. There are 25 showrooms in the two-story building, rebuilt in 1937 after being damaged in the 1923 earthquake. It is open from 9am to 4:30pm, closed Mondays, and from December 26 to January 3. Admission is ¥50, except for special exhibits.

NATIONAL MUSEUM OF WESTERN ART, also in Ueno Park, contains the "Matsukata Collection," consisting of the masterpieces of famous Western sculptors and painters, collected by the late Kojiro Matsukata, (1865-1950), a business magnate. It is open from 9am to 4:30pm, closed Mondays, and from December 26 to January 3. Admission is ¥50, except for special exhibits.

TOKYO CENTRAL STATION, the largest railway station in Japan, was built in 1914. The daily traffic volume at Tokyo Station is 2,120 interurban and long distance trains and over 600,000 passengers.

TOKYO RACE TRACK (Fuchu), where the Japan Derby is run every May, is 30 minutes from Shinjuku on the Keio Line. It is on the Koshu Highway leading to the U.S. Air Force Base at Fuchu. Another major track near Tokyo in Chiba Prefecture, is Nakayama Race Track which stages the Grand Steeplechase every June and November. It is reached by the Sobu Line from Ochanomizu.

TOKYO TOWER, located in Shiba Park, is the world's highest independent steel tower, standing 1,092 feet. Owned by the Nippon Television City Corp., the tower is a transmission point for local television programs. Admission to the 390-foot high observation platform by one of three elevators is ¥150 for adults and ¥60 for children.

GARDENS, PARKS

HAMA RIKYU (DETACHED PALACE) GARDEN was originally a villa of the Tokugawa Shoguns which later passed into the hands of the Imperial Family in 1871. The garden was presented to Tokyo Metropolis in November, 1945, and has been open to the public since April, 1946. There is a tidal pond on its 61 acres and on summer evenings, the garden is a rendezvous for teen-age sweethearts. There is a sea-wall along the edge of Tokyo Bay.

HIBIYA PARK lies in the very heart of the city just across the street from the Imperial Hotel. Located in the 40-acre park are the Hibiya Public Hall, Hibiya Library and Hibiya Amphitheater. Flowers in season are found in the well-cultivated gardens—azaleas in May and chrysanthemums in November. At times, the Public Hall and the Amphitheater are arenas for political demonstrations and rallies.

KORAKUEN GARDEN is considered one of the best landscape gardens in Tokyo which is open to the public. Admission is ¥50. Adjoining Korakuen Garden is the Korakuen Stadium, Ice Palace, Gymnasium, Velodrome and Amusement Park.

MELJI PARK is officially the Outer Garden of Meiji Shrine. In addition to wooded areas, there is the National Stadium, which will be used for the 1964 Olympic Games, the Meiji Baseball Stadium, Indoor Swimming Stadium, Metropolitan Gymnasium as well as the Meiji Memorial Picture Gallery and the Meiji Memorial Hall.

SHINJUKU (GYOEN) GARDEN is planted with many rare species of cherry trees. Originally one of the Imperial gardens, Shinjuku Gyoen was opened to the public after the war. The annual Imperial Cherry Blossom Garden Party and the Chrysanthemum Party are held here every year. On Sundays and holidays, the garden is filled with families enjoying an outing in the beautiful surroundings. The Green House, one of the largest in Japan, is known for its collection of tropical plants. Admission is ¥40 for adults and ¥15 for children. The garden is open from 9am to 5pm.

SUMIDA PARK stretches for about one mile along the banks of the Sumida River which runs through the city. Cherry trees and weeping willows border the promenade walks and motor driveway on the east bank of the river.

UENO PARK is the largest park in Tokyo. It covers some 210 acres and was formerly the estate of a feudal lord. Situated alongside Ueno Railway Station, Ueno Park is best known for its statue of Saigo Takamori, one of the leaders of the Meiji Revolution, the zoo and a number of museums and art galleries—the National Museum, Metropolitan Fine Arts Gallery, the Museum of Western Art, Japan Academy and the National Science Museum. The avenue of cherry trees through Ueno Park is a tourist attraction in the spring. Near Toshogu Shrine is a Japanese cypress and magnolia tree planted by General and Mrs. U.S.S. Grant when they visited Tokyo in 1879.

TEMPLES, SHRINES

ASAKUSA KANNON TEMPLE (Sensoji)—This massive ferroconcrete temple is dedicated to the Goddess of Mercy. It is surrounded by one of the largest amusement centers in Tokyo with hundreds of theaters and shops.

GOKOKUJI TEMPLE, in Otsuka Sakashita-cho, Bunkyo-ku, is one of the oldest wooden temples in Tokyo and its premise covers 40 acres. The hill at the back of the temple has been used since 1873 as a burial place for the Imperial Family.

KANDA MYOJIN is situated in the Kanda district and is dedicated to Onamuchino-Mikoto. The main shrine, painted in vermillion, was completed in 1934 after being destroyed in the Great Tokyo Earthquake and Fire of 1923.

MELJI SHRINE—Dedicated to the memory of Emperor Meiji, this shrine is considered one of the most sacred spots in Japan, attracting thousands of worshippers every year, especially at New Year's. The main shrine and adjoining buildings were destroyed by an air raid in April 1, 1945, but completely rebuilt in 1958. The grounds of the shrine, known as the Inner Garden, cover 175 acres and is planted with trees and shrubs brought from all parts of Japan.

SENGAKUJI TEMPLE, located at Takanawa, is best known as the final resting place of the legendary "Forty-seven Ronin," whose graves are found in a small courtyard to the left of the main gate. It is a regular stop on the excursion trips around Tokyo and is usually crowded with thousands of schoolchildren.

TSUKIJI HONGANJI is a temple of the Jodo Shinshu Buddhist sect built in the ancient Indian architectural style. Headquarters of this sect is the Nishi Honganji Temple in Kyoto.

YASUKUNI SHRINE is dedicated to the soldiers, sailors and airmen who died in Japan's domestic and foreign wars. Yasukuni Shrine has the largest torii or wooden arch in the country. The main shrine is representative of orthodox Shinto style. The spring and autumn festivals are held at Yasukuni Shrine on April 21-25 and on October 18-21.

ZOJOJI TEMPLE, in Shiba Park, is the headquarters of the Jodo sect in Eastern Japan. Zojoji at one time was the family temple of the Tokugawa shoguns. The two-storied Sammon or Tower Gate, built in 1605, still stands. Part of the temple grounds have been sold to private interests as a par-3 golf course, swimming pool and driving range.

HOTELS OUTSIDE TOKYO

FUJI-HAKONE

THE FUJI-HAKONE-IZU NATIONAL PARK, embracing 234,290 acres, is probably the greatest all-year resort and recreational area in Japan.

It includes Fujiyama (Mt. Fuji), the symmetrical conical sacred mountain, the lakes, waterfalls and forests of the Hakone mountains and the hot-spring resort skirting Japan's Riviera coast.

Hakone may be reached from Tokyo by train on the main Tokaido Line to Odawara, changing there for a private car for the rest of the way. Or, by one-class express train on the Odakyu Railway which runs from Shinjuku Station to Yumoto via Odawara in 1 hour 35 minutes.

It is an easy 2 hour 30 minutes by motorcar from Tokyo or one hour from Kamakura.

Points of interest in the Hakone area:

MIYANOSHITA, 1,377 feet above sea level, has been a favorite resort for the foreign community. The world famous Fujiya Hotel makes an ideal base from which to enjoy the Hakone National Park.

LAKE HAKONE, known as Ashi-no-ko to the Japanese, is only seven miles from the Fujiya Hotel. There are sightseeing boats on the lake. On its shore stands Hakone Shrine with a crimson torii in the water.

MT. FUJI (altitude, 12,397 feet) is the highest peak in Japan. The Fuji climbing season is limited to July and August but around the base of the mountain is a string of five lakes.

FUJI FIVE LAKES are Yamanaka, Kawaguchi, Saiko, Shoji and Motosu. A tour of the five lakes makes a delightful drive. Excellent western accommodations are available at Fuji New Grand Hotel (Lake Yamanaka) and Fuji View Hotel (Lake Kawaguchi). A trip around Mount Fuji to enjoy its various views takes 6 to 8 hours, including side trips. It's approximately 120 miles around.

JUKKOKU PASS is a scenic toll highway along the crest of the Hakone range down to Atami. The distance is 16 miles.

FUJIYA—Tel 0460-2-2211. Tokyo Booking Office 572-1625/6. Address: Hakone Miyunoshita. 166 rooms.

HAKONE HOTEL—Tel 0460-3-6311. Tokyo Booking Office 572-1625/6. Address: Hakonemachi on the shores of Lake Hakone. 300 rooms.

HAKONE KANKO HOTEL—Tel 0460-4-8501. Tokyo Booking Office 281-8463. Address: Hakone Sengokuhara. 116 rooms.

ROWAKIEN—Tel 0460-2-2221. Tokyo, Information Office 572-0161. Address: Kowakudani, Hakone. 165 rooms.

SENGOKU GOLF CLUB—Tel 0460-4-

8511/4. Tokyo Booking Office 572-1625/6. Address: Hakone Sengokuhara. Green fee (through June) for hotel guests ¥1,000 weekdays, ¥1,500 Saturdays, ¥2,000 Sundays & holidays; Visitors ¥1,500 weekdays, ¥2,000 Saturdays, ¥2,500 Sundays & holidays.

FUJI VIEW HOTEL—Tel Katsuyama 8-13 (Tokyo booking office: 572-1625). On Lake Kawaguchi. Member, Fujiya Hotel Chain. 63 rooms.

HOTEL MT. FUJI—Tel Fuji-Yoshida 2500 (Tokyo booking office: 211-3671). Odeyama, Lake Yamanaka, Yamana-shi Prefecture. 95 rooms.

ATAMI and ITO

ATAMI is the queen of the Japanese Riviera and possibly the most popular hot-spring resort in the Tokyo area and the Far East. There are a number of western-style hotels in Atami such as the Kinomiya, Nishi Atami, Atami Fujiya and the Atami Hotels. There are hundreds of Japanese inns, big and small, to fit the taste and purpose.

Near Atami is also Izu, with its cluster of resort hotels, and Yugawara which is located along a mountain stream.

ITO, IZU PENINSULA, is another hot-spring resort further down the coast. Near Ito is the famed Kawana Hotel with its two beautiful 18-hole golf courses and swimming pool—a perfect all-year resort.

At Shimoda, on the tip of the Izu Peninsula, is the new Shimoda Tokyo Hotel built on a craggy promontory overlooking the Pacific Ocean.

The Amagi Nikkatsu Hotel and Golf Course is on the slope of Mount Amagi, 14 miles from Shuzenji and 21 miles from Shimoda.

There are direct semi-express trains to Shimoda from Tokyo at 12:52 (and 12:10 Saturdays, Sundays and holidays only). There also are frequent trains from Tokyo to Atami and Ito. The Manazuru Toll Highway from Atami to Odawara is one of the most scenic in all Japan, skirting the Riviera coast.

ATAMI FUJIYA HOTEL—Tel 0557-8-7111/9. Address: 316, Atami, City.

ATAMI SEKITEI—Tel 0557-8-7191. Tokyo Office 467-7191. Address: Sakuragaoka, Atami City.

KINJOKAN—Tel 0557-8-6261/5. Address: Wadahama, Atami City.

KINOMIYA HOTEL—Tel 0557-8-6231. Address: In front of Kinomiya Station, Atami City.

NISHI ATAMI HOTEL—Tel 0557-8-6224. Address: In front of Kinomiya Station, Atami City.

ONOYA—Tel 0557-8-3611. Address: Wadahama, Atami City.

TSURUYA—Tel 0557-8-3501. Address: Yokoiso, Atami City.

KAWANA HOTEL—Tel 0557-3-3191. Tokyo Service Center 561-6769. Address: Kawana, Ito City. 107 rooms.

Golf fee: for hotel guests ¥2,200 weekdays, ¥2,270 Sundays and holidays.

SHIMODA TOKYU HOTEL—Tel Shimoda 1270. Address: Shimodamachi, Kamogun, Shizuoka Prefecture. 80 rooms. For reservations, call 541-2411.

KOBE

KOBE is one of Japan's two major sea-ports and pre-World War II shipping center. Today it is the gateway to Japan for persons who travel by sea from Southeast Asia, India and Europe. There is a large international community in Kobe and its famed Motomachi shopping center is still regarded as one of the best in Japan. Kobe has many fine hotels and restaurants—the most outstanding being the Oriental Hotel, well-known and a favorite with old-time Japan hands.

ORIENTAL—Tel 3-7771/9. Address: 6, Kaigan-dori, Ikuta-ku. 86 rooms. All rooms with bath. Oriental Hotel also manages the Oriental Maiko Villa at Maiko Beach and Hotel Rokko Oriental on Mt. Rokko.

KOBE INTERNATIONAL—Tel 2-8051/5. Tokyo Office: Tel 572-6061, 6062. Address: Gokodori, Sannomiya, Fuku-ai-ku. On the 6th-8th floors and basement of Kobe International House 50 rooms.

KYOTO

KYOTO, the ancient capital of Japan, was left untouched by the war and thousands of her priceless treasures are available to the public.

There is an atmosphere of old Japan in the narrow streets and shops of this beautiful city nestling in the mountains. It is also the center of Japanese Buddhism.

Spring and autumn are considered the best seasons for Kyoto but throughout the year there are many attractions. The magnificent Aoi Festival is held on May 15 while the gorgeous Gion Festival is held during July. The grand Jidai Festival is staged every year on October 22. In the spring, cherry and plum blossoms, and in the autumn, the chrysanthemums and maples are in their glory.

Places to see include the Old Imperial Palace, Kinkakuji, Nijo Detached Palace, Higashi Honganji and Nishi Honganji Temples, Sanju-Sangendo, Heian Shrine, Kiyomizu Temple and Ryoanji Temple.

There are wonderful little shops selling ancient Japanese crafts, silks and pottery.

The new Miyako Hotel with its magnificent view of the entire city, the Kyoto Hotel in the heart of the city, International Hotel Kyoto, right in front of Nijo Castle, the Kyoto Station Hotel and several hotels now under construction afford ample accommodations for the most discriminating travelers.

INTERNATIONAL HOTEL KYOTO—Tel 23-9171/8. Tokyo Office: 231-3181 (Hotel Kokusai Kanko). Address: Aburakoji Nijo-sagaru, Nakagyo-ku. 332 rooms.
KYOTO HOTEL—Tel 23-5301/9. Address: Oike, Kawaramachi, 220 rooms.

MIYAKO HOTEL—Tel 7-6001. Address: 1, Kachomachi, Awataguchi, Higashiyama-ku. 285 rooms.

STATION HOTEL—Tel 37-8191. Address: 849 Higashi-shiojojicho, Shimogyo-ku. 100 rooms.

OSAKA, NARA

NARA

NARA HOTEL—Tel 2-4101/3. Address: 1096, Takabatakecho. 51 rooms.

OSAKA

DAI-ICHI—Tel 341-2134. Address: 87, Taiyujimachi, Kita-ku. 43 rooms.

INTERNATIONAL (Kokusai Hotel)—Tel 941-5631/5, 5731/5. Address: 58, Hashizumecho, Uchihommachi, Higashi-ku. 126 rooms.

shi-ku. 126 rooms.

NEW OSAKA—Tel 441-1431. Tokyo Office: 572-6061, 6062. Address: 5, 3-chome, Nakanoshima, Kita-ku. 211 rooms.

OSAKA GRAND—Tel 202-1212. Tokyo Office: 572-6061, 6062. Address: 2-chome, Nakanoshima, Kita-ku. 364 rooms.

KUNG CHIAO TING Newly Renovated



Try Our Chinese Buffet: Featuring Peking, Cantonese, Shanghai and Szechwan dishes. Chinese chefs and manager.



■ All you can eat:
Lunch ¥800, Dinner ¥1,200
■ First Chinese restaurant in Tokyo to offer buffet-style service

GINZA TOKYU HOTEL

5, 5-chome, Ginza-Higashi, Chuo-ku, Tokyo
Telephone: 541-2411

PLEASURES IN HIPHONICS



FASCINATING HIPHONICS WITH RADAR TUNING IN A 3-BAND 9-TRANSISTOR PORTABLE PACKAGE FROM HITACHI. LIKE THE MANY FINE TRANSISTORIZED RADIOS, TAPE RECORDERS AND STEREO CONSOLES THAT BEAR THE HITACHI MARK, THE MODEL WH-999 BRINGS TO THE WORLD OF SOUND PLEASURES IN HIPHONICS.

 **Hitachi, Ltd.**

Tokyo Japan

See your nearest dealer today for demonstration in Hitachi Hiphonics

Molecular Genetics - the Ideas

Nature of the ideas: ^{ideas} clear, ^{not} deep: easily related to everyday life & can make models.

nevertheless, school-children can understand.
reason for this: basic theory of chemistry and physics.

physics not known is (mainly) irrelevant.

chemistry calculations difficult in practice

Schrodinger book "What is life?" Influence

Its point: Stability, chemical bonds, genes.

Aspects of chemistry & physics used:

obviously a technique e.g. X-ray diffraction

radioactivity

(fluorescence, electrophoresis, etc)

but especially: bond-distances and angles.

Hydrogen bonds, van der Waals interaction.

stereochemistry: the one handedness - nucleic acid

- protein,

- sugar etc.

shows shape is important. e.g. many enzyme reactions

thus why stereochemistry is important.

few basic principles: the helix: equivalence (various parts groups)

almost equivalence ~ coiled coils (viruses)

2

The same ideas

DNA $\rightarrow$ RNA $\rightarrow$ protein.
 Their success: except r-RNA.

Small
 idea: mutation and replication due to base-pairing

~~also~~ also probably involved in protein synthesis
 (though this necessarily more complicated)

The two linear languages : the 4 letter one
 the 20 letter one.

related by the code

ie only sequence matters; units held together stably by
 chemical (ie strong) bonds.

① how does this give the ^{great variety} ~~possibility~~ required?

problems: the one-dimensional nature of the chemical structure
 the (remember cross-links)

the three-D nature of the physical structure.

analogy: the structure of a paraphrase of English.
 (contrast Chinese)

② why two languages?

the importance of natural selection - ^{must have ideas} in all biology.
 (the idea: random mutation)

3
the requirements for natural selection

① geometrical replication - fairly easy

② meaningful random mutation necessary
i.e. "mistakes" - "side reactions"
thermal vibrations. } gives opportunity to improve.

③ "variability"

[④ requirement for an 'association' i.e. a cell }
Gene + products must stay associated.

thus nucleic acid: form 2 (+3) stranded structure.
idea for replication, but very
unreliable. (probably no third base pair
possible)

~~protein~~
~~rest~~

protein: main structure is 2-helix
single-stranded - marginally stable in
water (hydrophobic groups keep water)

20 or so diff. residues, with a variety of
possible chemical functions.

BUT probably bad for replication.

They're not clear that an electronic system
could not do it. May be due to "origin" a historical
accident.
~~water the copying system is slower~~

Are two distinct languages necessary a theoretical
grounds i.e. to avoid confusion between the master copy (the gene)
and the machine tools (many copies required) ~~also~~?

noise process is unidirectional explain

the central dogma (explain)

irreversibility due to energy put into it.

(also helps to increase accuracy!)

partly explain why ~~inherited~~ acquired characteristics
not inherited.

matter in biology a for special purposes

is any ^{too} ~~theory~~ ^{difficult} } theory of ^{unwinding} ~~unwinding~~ ^{between} (the pure theoretical)
for experimentalists? } recently, the economics of the cell.

lack of application of information theory in
molecular genetics yet.

probably due to very low noise of the channel.
in fact ~~noise~~ ^{noise} is too low
(natural selection prob. operated to reduce this)
repair mechanisms?

more important overall conclusion.

in ^{Genetics} ~~biology~~ individual atoms matter, but only in

special places.

for many years
obvious that genetic interaction is on near atomic level.

example of gene: size: half interaction:

human complexity: the whole cell care
how does atom produce its effect?
the whole cell care

explain disease (two genes) 1 aa. change.

than 1 (x2) "atom" wrong. how does this kill.

fertilized egg. cell division: many 10^{12-13} cells.

cells in time-window: each many copies of

(stable) m-RNA: each makes many ^{many} copies of proteins.

10^6 cells / second
(life 3 months?)

10¹² 10¹³ molecules H₂O?

Molecular Genetics

frank { strong the genetic message is
a linear one, its carrier is a polymer
there is a lot of it; and its carrier is
the atomic level.

Problem in this disease: control: embryology (shape, form)
origins. H.S.

Remarks on methods

Some experiments done on intact cells; some on punctured parts of broken cells; some use both techniques.

usually (so can be repeated many times)
methods must be rapid, and sensitive i.e. work
on small quantities

techniques for separation : ultra centrifuge
electrophoresis

Chromatography - columns
- paper.

mostly physical chemistry.

(counter current)

techniques for detection and recognition

- U.V. absorption

- Radioactivity.

Subject has advanced mainly because

methods so powerful (in addition to a good active theory)

The Structure of DNA by X-rays

work of Wilkins & Franklin
Nature of Structure

(often called the crystallographers)

preparation of DNA: break open cells: selection precipitation.

can be got fairly pure, but "damaged" fibrous mass.

technique of getting fibres - 60 per alignment. an art.

control of humidity (also the salt, and pH)

taking x-ray photograph. long exposure. need fair amount of material (about 100)

What do x-rays see? electron density: not base sequence.

repeating structure gives discrete "spots".

Examples:

note a fine diagram; crystallites, etc.

To solve structure: Fourier transform: amplitudes but not phase
(pseudo-axis symmetry). Transform of a helix. base stacks of bases
backbone

Model building: dimensions and angle known.

"rotating" and "physical contact" are not known, but they rules.

Good for for all models

base pair in a crystal.

ethyl guanine
methyl cytosine.

other
crystals.

[AT pair different]

2

Meselson - Stahl expt

ultra centrifuge (commercially available) - two types swinging bucket

various ways to use : boundary sedimentation.

Success gradients "

density gradient centrifugation (Vinograd)

explain method.

use of heavy ~~is~~ isotopes. a pair N_{14} + N_{15}

describe experiment : grow many generations on N_{15}

time zero : change to N_{14} .

later time, break open + pur into cell.

DNA "chromosome" broken into pieces, but still high MW.

later do we expect

Results

Show a duplex.

Subsequent experiments show not end to end

and almost certainly a two chain duplex, not a dimer.

3

KORNBERG — JOSE

1958. Nearest neighbor experiment. use of radioactive isotopes.
def. DNAs have diff average composition.
Sequence not random.

design of experiment.

S

result.

(control — can be done twice)

S

show chains run in opposite directions.

Fine Genetic Mapping

Results by genetic methods show

- (a) genes arranged in a linear (circular) array i.e. not 2D
- (b) inside of a gene is linear
- (c) many distinct sites inside a gene.

key example: the BENZER locus of phage T4. explain growth cycle

		B	K
Fig mutants -			
most "Spontaneous"	Mutants	grows but look different	don't grow
chemical - base analogues			
[acridines]	<u>wild</u>	grows	grows

then (a) can ~~not~~ pick up mutants

(b) selective technique

method of genetic cross: using selective technique.

map distance.

deletion mapping.

result map with many sites.

————— S

If lots of time

do cis-trans test.

to show two genes, or cistrons.

5

Codensity of gene and protein State result

Jacobson's results: A protein of tryptophane synthase of *E. coli*.
Work of Sarabhai, Strecker & Brenner, and Bolle.

head protein of phage T4.

major protein of head phage. major late protein.

∴ most radioactive label goes into this protein

∴ no need to purify.

Special class of mutants "amber"

Host A Host B

amber
mutant.

mutant
chain
terminated

"wild"
chain
finished.

They can be grown in Host B
 but tested in Host A.

Special gene that
 which does this

Series of amber mutants, picked up by hand work. map — S

~~map~~
 chemical test in Host A.

label in intact cell with one radioactive amino acid
 break open, (remove DNA) digested with trypsin

do one-D paper electrophoresis to see which
 peptides there. Repeat with ① diff. amino acids but

② chymotrypsin
 ③ diff. amino.

Result — S

**SYMPOSIUM
ON
NUCLEIC ACIDS**

REGIONAL RESEARCH LABORATORY
(COUNCIL OF SCI. & IND. RESEARCH)
HYDERABAD-9

JANUARY 16-23, 1964

F. H. C. CRICK
U.K.