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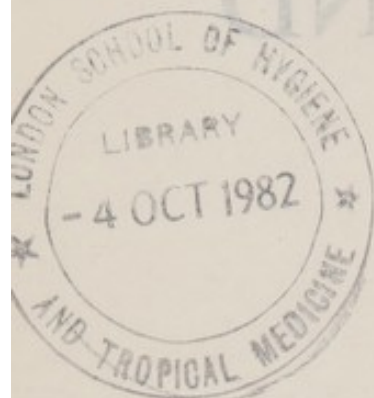
EDUCATION AND SCIENCE IN 1971

A REPORT OF
THE DEPARTMENT OF EDUCATION AND SCIENCE

*Presented to Parliament by the Secretary of State for Education and Science
April 1972*

LONDON
HER MAJESTY'S STATIONERY OFFICE
1972

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Presented to Parliament by the Secretary of State for Education and Science
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SECTION I

SCHOOLS (ENGLAND)

Note. The figures in this chapter relate to England only. In previous annual reports they related to England and Wales.

MAINTAINED SCHOOLS

Number of Pupils

1. There were 7,673,403 full-time pupils on the registers of maintained schools (excluding those in nursery and special schools) in England in January 1971. This was an increase of 196,156 on January 1970. There were 1,725,722 pupils under 7 years old, 3,439,485 were 7–11, and 2,508,196 were over 11. There were 91,431 over 11 in middle schools.

2. The number of pupils beyond compulsory school age continued to increase in the year up to January 1971:

TABLE 1.—*Number of pupils beyond compulsory school age at January*

Age of pupils	1969		1970		1971	
	Number	% of age group	Number	% of age group	Number	% of age group
15	383,048	61.5	385,586	62.5	391,380	64.0
16	170,106	27.6	179,289	28.5	182,462	29.3
17	88,352	14.2	94,025	15.1	98,478	15.6

School building

3. During the year 513 primary and 59 secondary schools were completed. They provided, with the extra places made available by alterations or extensions to existing schools, 225,906 primary places and 150,489 secondary places. Projects to provide 207,830 primary and 244,518 secondary places were under construction at the end of the year.

4. The total value of the starts programme of major projects for 1972–73 announced in the autumn was £122m excluding the programme of £53.5m for raising the school leaving age.

5. The total value of the 1973–74 building programme was announced in June to be £162m. (including nearly £32m. for minor works). It comprised £44m. for the major improvement and replacement of old primary school buildings. It was also announced that this emphasis on primary schools would be maintained in 1974–75 and 1975–76, with further allocations of over £44m. in each year for improvement and replacement projects. Information on school building was given in a *Report on Education** published in August.

**Report on Education No. 71 August 1971 School Building, available free from the Department.*

6. Five local authorities agreed to take part in a Departmentally initiated scheme for undertaking school building by block allocations. The scheme will operate for the 1974-75 starts programme, allowing authorities to decide how they will allocate resources for projects (except major projects for the replacement of pre-1903 schools) within their areas, instead of the existing system of programme control by the Department.

Number of schools

7. In January 1971 there were 20,965 primary schools, 264 middle schools, and 4,838 secondary schools.

8. Under Section 13 of the Education Act 1944, as amended, the Secretary of State approved 2,442 proposals:

TABLE 2.—*Section 13 approvals*

	New Schools		Significant enlargements		Significant changes in character		Discontinuance of schools	
	Primary	Secondary	Primary	Secondary	Primary	Secondary	Primary	Secondary
County	337	125	163	267	450	211	143	139
Voluntary:								
Church of England	24	6	67	16	153	21	112	6
Roman Catholic ..	48	11	49	20	20	13	10	18
Jewish	2	—	1	—	—	—	—	—
Methodist	1	—	—	—	—	—	1	—
Undenominational	—	1	1	4	—	—	1	1
Total Voluntary:	75	18	118	40	173	34	124	25
Total of Schools:	412	143	281	307	623	245	267	164

9. 102 rural schools are included in the above table of discontinued schools. 80 were secondary schools, and 24 of the primary schools are to be replaced by schools in the same area.

Voluntary schools

10. Of the 8,869 voluntary schools and departments in January, 4,999 were aided, 151 were special agreement schools, and 3,719 were controlled schools.

11. Payments of grants during the year amounted to £19,042,280 for major and minor building projects and minor alterations and repairs.

12. Loan agreements amounting to £2,367,494 were concluded, and the year's advances of £1,941,060 brought the total of advances to £28,233,271.

Secondary schools

13. In April the Secretary of State announced that she had discontinued the practice of giving approval in principle to non-statutory plans for the reorganisation of secondary education. She added that it had become clear that the practice of approving non-statutory plans, which set out authorities'

broad schemes for the reorganisation of an area, had tended to create confusion about the statutory procedure under Section 13 of the Education Act 1944 as amended (see para. 8 above) which alone provided the legal basis for changes in the organisational pattern of schools in an area.

14. The Department published in December a survey* of provision for slow learners in secondary modern and comprehensive schools in England carried out in 1967-68. The Secretary of State said in the House of Commons that publication would enable those concerned to review the arrangements made to help slow learners and to consider what improvements could be made.

Nursery Education

15. In January 1971 the number of under 5's (excluding rising 5's) in nursery and primary schools was 144,510 compared with 121,594 in January 1970.

16. Approval was given during the year under the Urban Aid Programme to the provision of about 8,000 full-time places in nursery schools and classes.

Education of Immigrants

17. The number of immigrant pupils in primary and secondary schools rose from 262,000 in January 1970 to 269,280 (3.5 per cent of all full-time pupils in these schools) in January 1971.

18. Education Surveys Nos: 13, *The Education of Immigrants*, and No. 10, *Potential and Progress in a Second Culture* were published during the year†.

Raising of the School Leaving Age

19. Circular 8/71 issued by the Department in August, on the raising of the school leaving age to 16 in 1972-73, asked local education authorities to submit reports on their state of preparedness under the following headings: buildings, teachers, curriculum, guidance on careers and educational opportunities after 16, further education, and publicity and information.

20. A *Report on Education*‡ on the raising of the school leaving age was issued in September.

21. The special building programme for the raising of the leaving age announced in 1969 for the years 1970-73, was adjusted to allow for cost increases and the 1970-71 and 1971-72 programmes were £25.4m. and £40.9m. respectively.

SCHOOLS NOT MAINTAINED BY LOCAL EDUCATION AUTHORITIES

Direct Grant Grammar Schools

22. The Secretary of State announced on 5th November that the capitation grant, payable for each pupil under the Direct Grant Schools Regulations 1959, would be increased from £32 to £62 per annum. The income scales

* *Slow learners in Secondary Schools*, Education Survey No. 15, HMSO, 1971, 29p.

† See Appendix F.

‡ *Report on Education No. 72 September 1971*.

under which parents paying tuition fees may qualify for remission, were amended so that the parental contribution was reduced at each level of income.

Independent Schools

23. During the year, 36 schools achieved recognition as efficient, none had recognition withdrawn, and 39 were closed or amalgamated, bringing the total recognised in England to 1,351 at the end of the year.

24. At the end of the year the register of independent schools contained 1,105 finally registered schools*, in addition to those recognised as efficient.

25. The Secretary of State served 8 notices of complaint during the year under Part III of the Education Act 1944.

HANDICAPPED PUPILS AND SPECIAL EDUCATION

Mentally Handicapped Children

26. The Education (Handicapped Children) Act 1970† took effect on 1st April 1971. Continuous progress was made throughout the year in the assumption of the new responsibility for the education of mentally handicapped children.

Training of Teachers in Special Education

27. The three-year initial teacher training courses with a special emphasis on mental handicap were increased in September to provide 300 places. (The last of the two-year training council's diploma courses which they are replacing were started in September, and the last intake for the one-year course will be September 1972.)

Advisory Committee on Handicapped Children

28. The Advisory Committee reviewed research sponsored by the Department in the field of special education and reported the results to the Secretary of State in March. Proposals to increase expenditure on research were accepted and it was announced by the Secretary of State in November that a programme of projects costing about £300,000 up to 1978 would be financed by the Department.

29. A report on children with specific reading difficulties was submitted to the Secretary of State in November.

Autism

30. In June the Department issued circular 6/71 on the education of autistic children, drawing attention to the need for skilled assessment by experts from several disciplines and describing a number of educational approaches which have been tried. LEAs are sending the Department detailed information on autistic children for whose education they are responsible and on the arrangements they are making.

* The Register of Independent Schools is available for inspection at the Department.

† *Education and Science in 1970*, pages 18 and 19 paras 35-38.

Building

31. There were 5,016 special school day places and 154 boarding places in the building programmes authorised to start during the year; 4,827 day and 123 boarding places were completed and 6,693 day and 154 boarding places were under construction. 57.9 per cent of the starts programme 1971/1972 of £3.9m. was for ESN places.

SCHOOL MEALS AND MILK

School Meals

32. Amending regulations were made on 1st February to raise the charge for the school meal to 12p from April. The regulations included new and more generous arrangements for the remission of the charge on grounds of hardship to help lower income parents. In a Circular* issued with the amending regulations the Secretary of State expressed the hope that authorities would do their best to make facilities available for the growing number of children who brought their own food to schools and that no charge would be made.

33. The Provision of Milk and Meals (Amendment No. 2) Regulations 1971, which came into operation on 1st September, included a further revised income scale for the remission of the school meals charge. This took account of improvements in supplementary benefit rates and provided that parents receiving the new family income supplement would be automatically entitled, like recipients of supplementary benefit, to free school meals for their children at school.

34. Consensus carried out in May and October gave the following results:

TABLE 3.—*School meals served to pupils in maintained schools in England*

	Number of meals served (000)			Percentage of pupils present taking meals	Percentage of meals served free
	On payment	Free	Total		
September 1969..	4,340	547	4,886	70.5	11.2
September 1970..	4,294	580	4,874	68.3	11.9
May 1971 ..	3,246	706	3,952	54.3	17.9
October 1971 ..	3,665	746	4,411	60.3	16.9

School Milk

35. Under the Education (Milk) Act, which received the Royal Assent on 5th August, the supply of free school milk was, from 1st September, restricted to pupils in special schools, children in other maintained schools

*See Appendix F.

up to the end of the summer term after they became seven, and other junior children for whom school milk was recommended by a school medical officer on grounds of health. The Act also gave authorities the power, not hitherto available to them, to sell milk to pupils of all ages in their schools. The new arrangements for milk in schools were given effect in the Provision of Milk and Meals (Amendment No. 2) Regulations, 1971 which came into operation on 1st September.

36. The autumn census of school milk revealed that the proportion of eligible children in maintained schools taking free school milk was 94.9 per cent compared with 91.3 per cent in 1970, but with the withdrawal of free school milk from the older junior children, the numbers fell from 4,023,000 in 1970 to 1,798,000 in 1971. In addition children receiving free school milk on the recommendation of the school medical officer numbered 27,449 or about one per cent of the relevant age group. By the date of the census, 31 authorities had made arrangements for selling milk in 483 schools and 21,186 pupils took milk on the census day.

Year	1969	1970	1971
Total number of children in maintained schools	4,023,000	3,850,000	3,750,000
Number taking free school milk	3,680,000	3,500,000	1,798,000
Number recommended by school medical officer	27,449	27,449	27,449
Number taking milk on recommendation of school medical officer	27,449	27,449	27,449
Number taking milk in schools where arrangements made for sale	21,186	21,186	21,186

SECTION II

TEACHERS (ENGLAND AND WALES)*

TEACHER SUPPLY†

Number of Teachers

1. In September 1971 there were 18,000 more teachers in maintained primary and secondary schools than in September 1970. Staffing standards again substantially improved, the larger improvement being again in primary schools. Table 4 summarises the position.

TABLE 4.—*Qualified teachers (i)*

1st February	1968	1969	1970	1971	1972(ii)
Full-timers:					
Men	127,515	131,229	135,778	141,110	147,914
Women	170,556	179,519	190,030	202,849	214,105
Total	298,071	310,748	325,808	343,959	362,019
Part-timers (full-time equivalent) ..	18,874	19,444	18,627	19,074	18,129
Total	316,945	330,192	344,435	363,033	380,148
Increase since previous February	10,543	13,247	14,243	18,598	17,115
Pupil/teacher ratio	23.8	23.5	23.2	22.6	22.1

(i) Including former uncertificated and supplementary teachers whose service is protected.

(ii) Teacher numbers as at 1st October 1971. Pupil/teacher ratio based on estimated number of pupils in January 1972.

Class Sizes

2. The proportion of primary classes containing more than 40 pupils fell to 3.3 per cent in January 1971. Table 5 summarises progress in recent years.

TABLE 5.—*Percentage of primary school classes with 41 or more pupils*

January	1964	1965	1966	1967	1968	1969	1970	1971
% of classes	13.4	12.3	11.7	11.3	10.8	9.5	6.6	3.3

*See page 33 for teachers' pay and superannuation.

†All figures in this section relate to teachers in maintained primary and secondary schools (other than nursery and special schools).

Teaching Council

3. During the year two of the teachers' associations reported that they dissented in fundamental respects from the recommendations, published in 1970, of the working party on a Teaching Council for England and Wales*. The Department then circulated to all the bodies concerned a statement of the comments which each had made on the recommendations and suggested that, if the teachers felt that the matter should be pursued, they might consider whether they could formulate among themselves agreed proposals on which they judged that the agreement of all the interests concerned could be secured.

TEACHER TRAINING

Building

4. The emphasis of the building programme shifted from the provision of places to the improvement of existing institutions. During the year starts were made on work totalling £3m.

Student Numbers

TABLE 6.—*Admissions to full-time courses of initial teacher training*

	1970	1971 (provisional)
Non-graduate entrants to colleges and departments of education:—		
Men	10,047	10,862
Women	26,992	27,665
	37,039	38,527
Colleges of education (technical):—		
Pre-service courses	1,058	1,278
In-service courses	357	345
	1,415	1,623(i)
Art teacher training centres	765	812
Graduates taking one-year courses of professional training:—		
At university departments of education	4,962	5,088
At colleges of education	2,588	4,220(ii)
	7,550	9,308

(i) These figures include both graduates and non-graduates.

(ii) Excluding graduates admitted to initial training courses in colleges of education (technical).

5. In the autumn term the total number of students in colleges and departments of education (excluding universities) was 115,800 compared with 112,000 in 1970. The total number on initial training courses, including those in university departments of education was over 119,500 compared with 116,000 in 1970.

**Education and Science in 1970* page 26 para 9.

6. The recent trend of increasing intake to graduate training courses continued in 1971.

Teacher Training Inquiry

7. The committee of inquiry* under the chairmanship of Lord James of Rusholme, completed its study of the education, training and probation of teachers and submitted its report to the Secretary of State in December. The Secretary of State announced her intention of consulting interested bodies about its recommendations before taking any decisions.

Bachelor of Education Degrees

8. Progress was made in removing the anomalies in the BEd degree courses arising from the different levels at which the degree is awarded by different universities. The proportion of students completing BEd courses was 9 per cent compared with 8 per cent in 1970.

Teachers of Mentally Handicapped Children

9. Developments in this field are covered in paragraph 27 on page 9.

Courses of Further Training

10. Figures for one-year courses, one-term courses and the Department's short courses in the academic years 1970-71 and 1971-72, are given below.

TABLE 7.—*Full-time courses of further training for teachers included in the Department's programmes*

Nature of Course	1970-71 (academic year)		1971-72 (academic year)	
	Number of courses	Number attending	Number of courses	Number attending
One year courses(i)				
Higher degrees in education	25	177	31	187
BEd degrees	12	52	28	143
Special courses of advanced study	96	1,091	103	1,130
Courses for teachers of handicapped children	40	605	40	579
Other courses	28	260	24	189
Total of one year courses ..	201	2,185	226	2,228
One term courses	1970 (calendar year)		1971 (calendar year)	
	152	789	115	966
Department's short courses(ii) ..	1970-71 (financial year)		1971-72 (financial year)	
	197	10,869	202	10,629

(i) *Programme of Long Courses for Qualified Teachers* available from TII L at the Department.

(ii) *Programme of Short Courses* available from TII K at the Department.

* *Education and Science in 1970* page 28 para 16

11. Grants totalling £35,000 were allocated in support of the expanding programme of courses organised jointly by the Inspectorate and area training organisations in the financial year 1971-72.

12. A further 99 teachers started the special fifteen-month courses for immigrant teachers in 1971, bringing the total number of teachers attending these courses to 433 since they were first established in 1965.

Awards to College of Education Students

13. Pilot schemes were set up in eight colleges of education to determine the possibility of introducing cash maintenance grants for resident students in place of free provision of board and lodging. The scheme involved a variety of different methods whereby students paid for board and lodging so that a comparative assessment could be made at the end of the academic year 1971-72.

Research

14. Seven projects with a total cost of £70,000 were authorised in 1971.

SECTION III

FURTHER AND ADULT EDUCATION (ENGLAND AND WALES)

FURTHER EDUCATION

Student Numbers

TABLE 8—*Students attending grant-aided further education establishments**

	Autumn 1969	Autumn 1970	Autumn 1971 (provisional)
Full-time	227,700	237,800	238,200
Sandwich	33,500	36,500	39,400
Part-time day	756,100	748,700	688,100
Evening only	712,700	736,400	719,100
Total	1,730,000	1,759,400	1,684,800

1. The number of students on full-time and sandwich advanced courses rose from 82,900 in 1969 to 87,800 in 1970. The total number of students on all advanced courses, however, remained about the same at 197,300 compared with 197,500 in 1969. 37,600 students were on degree courses, and 20,100 on Higher National Diploma courses.

Polytechnics

2. The City of Birmingham Polytechnic and the Polytechnic of North London were designated during the year, bringing the total number of polytechnics designated to 28 out of the 30 proposed.

3. Student numbers in the polytechnics (including proposed polytechnic colleges) for the year 1970-71 follow (with the figures for 1969-70 for comparison).

TABLE 9—*Polytechnic Students*

	Advanced courses		Non-advanced courses	
	November 1969	November 1970 (provisional)	November 1969	November 1970 (provisional)
Full-time and sandwich ..	58,503	61,300	8,844	7,000
Part-time day	29,969	29,300	29,533	23,100
Evening only	20,210	19,400	15,855	12,000
Total	108,682	110,000	54,232	42,100

*Excluding evening institutes.

4. Standards for non-teaching accommodation were announced in the autumn. Advance copies of *Design Note No. 8, Polytechnics: Planning for Development* were issued together with guidance to polytechnic authorities on the preparation of their development plans.

Council for National Academic Awards

5. Revised arrangements for the award of the Council's first degrees were introduced in the autumn. At the beginning of the 1971-72 academic year 896 CNAA degree courses were being run compared with 324 in 1970; there were 29,020 students enrolled against 23,857 a year earlier. Details of the Council's activity in the 1970-71 academic year are in the CNAA Annual Report*.

Management Education

6. In March, the Secretary of State announced that up to a dozen regional centres of management education would be nominated to foster the best use of resources. The centres would give emphasis to higher level full-time courses and become focal points for management education in their region. The local authorities and institutions concerned were subsequently approached and further guidance was formulated.

7. The Secretary of State appointed Sir David Watherston as Chairman of the reconstituted Committee for the Diploma in Management Studies. Provisional figures for October 1971 were 6,164 students on the DMS courses, compared with 5,875 in 1970. New enrolments were 3,367 compared with 3,344 in 1970.

Art Education

8. A circular issued by the Department in July announced decisions on the structure of art and design education, following the recommendations of the Joint Committee of the National Advisory Council on Art Education and the National Council for Diplomas in Art and Design†. Proposals for greater flexibility of approach in the three-year courses for the DipAD and the development of sandwich diploma courses were welcomed by the Secretary of State. The circular called for a further period of consideration and discussion on entry to, and preparation for, diploma courses. A working group (as proposed in the circular) to review the pattern of vocational courses in the design technician area was set up in November.

Agricultural Education

9. The Advisory Committee on Agricultural Education, set up jointly by the National Advisory Council on Education for Industry and Commerce and the Scottish Technical Education Consultative Council, to report on

*CNAA Annual Report for the academic year 1970-71, available from the CNAA, 3 Devonshire Street, London W1N 2BA.

†Education and Science in 1970 page 35 para 20.

full-time courses below OND level and all part-time courses other than in universities, began to meet in February.

National Certificates and Diplomas

10. In September a new joint committee for national diplomas in institutional management, hotel keeping and catering replaced the two previous committees. A new pattern of courses for the distributive trades was introduced. The joint committee for national certificates in surveying, cartography and planning was augmented to enable it to provide for courses in the fields of estate management and valuation. Changes were made in the arrangements and conditions governing the award of certificates and diplomas in building, poultry practice, office studies, chemical engineering, medical laboratory subjects and business studies.

Building Programmes

11. The value of building projects at further education establishments started in 1971 was £33m., and £22m. of work was completed. At the end of the year £51m. was under construction.

12. In November a starts programme for 1972-73 of £22m., of which £8m. was for polytechnics, was confirmed. In the same month a capital allocation of £37m. for starts in 1973-74 was announced, of which £16m. was intended for polytechnics.

13. A more flexible arrangement was introduced for the submission and inclusion of further education building projects in the Department's rolling programme procedure.

Further Education Colleges

14. New articles of government for 102 of some 500 further education establishments maintained by LEAs were approved by the Secretary of State under Section 1(3) of the Education (No. 2) Act 1968.

15. In July the Secretary of State called on industry to maintain its support of sandwich courses through the provision of industrial places.

16. In July, the Department asked colleges and LEAs to cooperate in the proposed expansion of training courses for the unemployed under the Government's vocational training scheme. Twenty new courses in commercial subjects had started in colleges by the end of the year, two of them for young unemployed people. Thirteen industrial courses also had started, mainly in basic engineering skills, seven for the young unemployed.

17. New rates of charge for the industrial element of integrated courses held in colleges were recommended in an administrative memorandum published on behalf of the industrial training sub-committee of the Inter Authority Payments Committee. They provide differential rates for different areas of training.

18. As a result of an agreement between the CBI (representing employers) and the local authority associations (representing the LEAs) part-time

student trainees under eighteen on vocational courses now look to LEAs, and those over eighteen to their employers, for assistance towards expenses.

19. *Inside the Colleges of Further Education** by Adrian Bristow was published by the Department in January. It was one of a series of three paperbacks for parents.

YOUTH SERVICE AND COMMUNITY PROVISION

Youth Service Development Council's Report

20. The Secretary of State said in the House of Commons in March that after due consideration of the Council's Report, *Youth and Community Work in the 70s†*, that "the Service in England and Wales should continue on its present basis, but with certain changes of emphasis which should be reflected by corresponding changes in the financial support given by the Department". The system of capital and recurrent grants needed to be simplified, and more emphasis given to assistance in less prosperous areas and to experimental work in the youth field. The Youth Service Development Council after ten year's valuable work following the Albemarle Report was to be wound up.

Capital Grants

21. A circular‡ advising local authorities of new arrangements for capital grants to voluntary youth service, village hall and community centre projects was issued in November. From April 1972 local authorities will be responsible for the selection of local projects which should receive support, and the Department will make grants proportionate to the local authorities' contribution and the total cost of a project.

22. During 1971 grants totalling £1,732,721 (compared with £1,651,142 in 1970) were offered to voluntary youth service, village hall and community centre projects.

National Voluntary Youth Organisations

23. The Department's grant toward the headquarters and training expenses of national voluntary youth organisations continued at the previous level of £378,320§. Grants for experimental and development work totalled £39,470. The Department's grant to the Young Volunteer Force Foundation was £67,000.

24. In November the Secretary of State announced that, after discussions with the Standing Conference of National Voluntary Youth Organisations, the Department would finance an independent review of the work and finance of voluntary youth organisations and that, in the meantime, grants would be maintained at their existing level subject to the award of increases where real need could be demonstrated.

**Inside the Colleges of Further Education*, HMSO, 30p.

† *Youth and Community Work in the 70s*, HMSO, 1969, 75p.

‡ See Appendix F.

§ *Education and Science in 1970*, Appendix A.

Number of Youth Workers

25. The total number of full-time youth workers at the end of the year was about 2,010 compared with 1,920 in 1970.

Youth Service Information Centre

26. At the end of the year it was decided that the Youth Service Information Centre would assume responsibility for publishing the journal *Youth Service*. (The last issue to be published by the Department appeared in March 1972.)

ADULT EDUCATION

Committee on Adult Education

27. The Committee on Adult Education under the chairmanship of Sir Lionel Russell continued its inquiry.

Student Numbers

28. There were approximately 1,525,300 students enrolled at adult education centres and institutes under LEAs in November 1971, compared with 1,421,796 in 1970. This number does not include those at major further education establishments in non-vocational classes.

29. 251,851 students attended courses provided by university extra-mural departments and Workers Educational Association districts in the 1970-71 session. The grant paid towards the teaching costs in the 1970-71 session totalled about £1,593,000 compared with £1,405,879 the previous session. The grants took account of salary revisions for the university lecturers and WEA tutors.

Residential Colleges

30. The total number of students admitted to long-term residential colleges for the 1970-71 academic year was 502, and the annual maintenance grants paid for the 1970-71 session amounted to £234,327, compared with £200,144 the previous year. Capital grants of about £24,000 were made under the policy of 50 per cent assistance towards development programmes.

31. During the 1970-71 academic year 2,019 short courses involving 66,445 students were held in residential establishments maintained or assisted by LEAs.

National Associations

32. Direct grants towards the educational expenses of the following were made by the department under the Further Education Regulations 1969.

	£
British Drama League	4,800
Educational Centres Association	3,000
National Council of Young Men's Christian Associations ...	3,575
National Federation of Women's Institutes	5,500
National Union of Townswomen's Guilds	4,925
National Institute of Adult Education	7,000
Rural Music Schools	5,850
Workers' Education Association	8,000
TOTAL	42,650

SECTION IV

UNIVERSITIES (GREAT BRITAIN)

University Finance

1. The level of grant to universities for the last year of the 1967-72 quinquennium was raised by £13.1m. in November to cover increased costs, including non-academic salaries and wages. As a result the grant for the academic year 1971-72 became £238.1m. For the whole quinquennium the total grant (including grants for local authority rates) was approaching £1,000m., compared with well under £500m. in the 1962/67 quinquennium.

2. Pending settlement of the grant level for the quinquennium 1972-77, the Government announced also in November a provisional allocation of recurrent grant for the academic year 1972-73 of £248.5m., allowing for cost increases. This included £1.7m. for the running costs of computers. There was also a provisional allocation of equipment grant of £23.25m.

Building

3. In common with those in other sectors of higher education, cost limits for non-residential university accommodation were increased by 20 per cent with effect from 1st April. The starts value of the 1971-72 and 1972-73 building programmes were increased accordingly from £24m. and £25m. to £28.8m. and £30m. respectively. A building programme of £27m. was authorised for 1973-74.

Student Numbers

4. The full-time student population rose to 234,144—a provisional figure for October supplied to the University Grants Committee by the universities. The UGC Annual Survey* included student numbers and more detailed information on overall university developments throughout the year.

Computer Board

6. Following discussions between the Department, the UGC and the Computer Board, it was agreed that from the beginning of the next quinquennium (in the academic year 1972-3) universities would become responsible for the running costs of existing installations with the aid of grant through the UGC instead of through the Computer Board. The board would remain responsible for financing new installations and the regional centres. The transfer of funds in 1972-3 to effect this change will amount to £1.7m. (A report on the work of the board in the financial year 1971-2 will be published in 1972).

* UGC Annual Survey Academic Year 1970-71, Cmnd. 4893 HMSO 24p.

Open University

7. From the preliminary registration of 24,191 for first year courses in 1971, the Open University finally registered 19,033 students taking a total of 21,715 courses. In examinations at the end of the year a total of 16,341 credits were awarded to these students. Of 35,000 applicants for 1972 foundation courses 20,500 are expected to enrol in January 1972.

8. During the year the Department approved the University's proposals to start planning a library at a cost of £218,000 and a science and technology block at a cost of £605,000, with a view to starting building in 1972.

Royal College of Art

9. Following advice from the visiting committee under Sir Peter Noble, the Royal College of Art was allocated grants in aid of recurrent expenditure during the 1971-74 triennium as follows: £0.89m. in 1971-72, £0.92m. in 1972-73, and £0.96m. in 1973-74. The committee also advised on the college's longer term development and building requirements.

Cranfield Institute of Technology

10. The visiting committee under Dr. Topping reported on the institute's development and requirements for grants in aid of recurrent expenditure during the 1972-75 triennium.

University academic salaries and superannuation

11. There were discussions during the autumn in committees A and B* of a claim on behalf of university non-clinical academic staff for pay increases from 1st October 1971 of nearly fourteen per cent, inclusive of some restructuring. No settlement had been reached at the end of the year.

12. Discussions between Government departments, the UGC and representatives of university interests continued throughout the year on proposals put forward by the universities for a new scheme of superannuation, with retirement benefits related to terminal salary, to replace the federated superannuation system for universities which is effected through insurance policies.

* *Education and Science in 1970* page 47 para 20.

SECTION V

LIBRARIES (ENGLAND AND WALES)

National Libraries

1. A White Paper* published in January announced the Government's intention to create a National Libraries organisation to be called the British Library and to be established by combining the library departments of the British Museum (which include the National Reference Library for Science and Invention) with the National Central Library, National Lending Library for Science and Technology and the British National Bibliography. The reference and bibliographic services to be provided by the British Library would be housed in a new building to be erected in Bloomsbury on a site adjacent to the British Museum and the lending services concentrated at Boston Spa in Yorkshire in extended premises there. An organising committee for the British Library was established in June under the chairmanship of the Paymaster General to carry forward the planning of the organisation, staffing and scope of the services of the future library. In November this committee announced its conclusion that the lending services to be based at Boston Spa, covering science and technology and the humanities, should be administered as one unit within the library. The report of the National Libraries ADP Feasibility Study was forwarded to the Department in November.

Library Advisory Council (England)

2. The work of the Library Advisory Council for England set up under the Public Libraries and Museums Act 1964, is recorded in Appendix A.

Research

3. Two research projects were commenced with financial support from the Department with the object of assisting library authorities and the Department in the formulation of future policies. The subjects of the research were the siting and design of public libraries, and the scope for cooperation between public and academic libraries in meeting local needs.

Library Statistics

4. A revised form of collection of statistical data compatible with international recommendations is now being applied to library statistics generally, starting with public libraries. The statistics affected include details of the using population, type of collections, finance and staffing.

* *The British Library*, Cmnd. 4572, HMSO, 7½p.

Local Authorities Expenditure

5. The current expenditure of local authorities in England and Wales on the provision of public libraries, museums and art galleries in 1970-71, compared with the previous year, is shown in the following table.

TABLE 10.—*Expenditure by local authorities under the Public Libraries and Museums Act 1964*

	1969-70	1970-71	Percentage increase
	£m	£m	
Public Libraries			
Expenditure on books ..	11.2	12.4	10.7
Total Expenditure	47.8	57.0	19.2
Museums and Art Galleries ..	4.7	5.7	21.3
Total	52.5	62.7	19.4

6. The revised estimated expenditure taken into account in the rate support grant* for 1972-73 in respect of libraries, museums and art galleries was £71.0m.

7. The rate support grant* for 1971-72 as increased to allow for rises in pay and prices, took into account local authorities' estimated expenditure of £67.5m. on public libraries, museums and art galleries. The comparable estimated expenditure for 1972-73 was £71.0m.

Public Library Authorities

8. Loan sanctions to the value of £4.6m. were issued in the financial year 1970-71 in connection with new library buildings or improvements to existing buildings. Work on about 35 branch libraries was started during the year. From April 1971 public libraries were included in those services whose levels of capital expenditure were determined by local authorities themselves, subject to an overall ceiling for the total capital expenditure on all services covered by the new arrangements†.

9. The number of library authorities on 31st December 1971 was 387. During the year the borough councils of Falmouth and Llanidloes and the urban district council of Machynlleth relinquished their library powers under Section 6(5) of the Public Libraries and Museums Act 1964.

10. A major study by the Department's library advisers of the level and pattern of provision of public library services in West Yorkshire was nearing completion at the end of the year, and studies were also made of school library services in Hampshire and Kent in conjunction with the Inspectorate.

* See page 32, para 4.

† Department of the Environment Circular 2/70. Capital Programmes.

Museums and Art Galleries

11. Loan sanctions to the value of approximately £252,000 were issued during the financial year 1970-71 in connection with the purchase, improvement and construction of local museums and galleries. The Secretary of State gave her consent under Section 12(1) of the Public Libraries and Museums Act 1964 to the urban district councils of Broadstairs and St. Peters (Kent) and Shildon (Durham).

Inter-Library Cooperation

12. The Department-supported experiment in direct inter-lending by the London and South Eastern Regional Library System* showed many advantages. The region has now made available to libraries a computerised microfilm record of the location of books recorded in the British National Bibliography from 1964 to 1969 and of all books published from 1970 which carry a standard book number, thus making possible direct lending between libraries. The region is investigating the possibility of producing a machine-readable record of the location of earlier publications.

College Libraries

13. More than half of the projects in the college of education major building programme in 1971 included provision for new or improved library facilities. New standards affecting library provision in polytechnics and also in other further education colleges were announced in the autumn.

Public Lending Right

14. The Paymaster General announced in February that the Government were prepared to consider an amendment to the law of copyright to add lending to the public to the acts restricted by that law, but that a study must first be made of the practical problems involved in implementing such an amendment. The working party set up in March to consider and report on these problems was nearing the end of its work at the turn of the year.

International Federation of Library Associations

15. The Paymaster General addressed the International Federation Conference in Liverpool in August on the role of libraries in the total cultural context. Lord Eccles spoke of the plans for the future British Library, and of the contribution it might make not only to the library services of this country but also internationally.

* *Education and Science 1970* page 52 para 25.

SECTION VI

CIVIL SCIENCE (UNITED KINGDOM)

Finance

1. The science allocations for the financial year 1971-72 totalled £121.4m.*:—

	£m.
Science Research Council	55.7
Medical Research Council	23.0
Agricultural Research Council	18.7
Natural Environment Research Council	15.9
Social Science Research Council	4.1
Science Grants and Services	2.0
Natural History Museum (including a building programme on the vote of the Department of the Environment)	1.9

Government Research and Development

2. In November a Green Paper† was published which contained two reports: one by Lord Rothschild, Head of the Central Policy Review Staff, on the organisation and management of Government R & D; and the other by a Group, chaired by Sir Frederick Dainton, of the Council for Scientific Policy on the future of the research council system. In the prefatory statement to these two reports the Government announced its intention to discuss the issues involved with the scientific community and invited written comments from interested parties. The Government endorsed the customer/contractor principle in respect of applied research and development carried out or sponsored by the Government, whether by the research councils or elsewhere. The Government believed that, subject to this principle, it would be right to preserve the research councils under the sponsorship of the Department of Education and Science. It was also the Government's view that it would continue to be desirable for a body of authoritative advice to be available to the Secretary of State on the allocation of her Department's Science Budget.

Council for Scientific Policy

3. The report of a working group of the CSP on the education and employment of biologists was published in September‡. It recommended broadening the curriculum by including a greater amount of study of other science subjects and the study of biology in a more integrated way.

* Because of rounding there is a slight difference between this figure and the total of the individual amounts.

† *A Framework for Government Research and Development*, Cmnd. 4814, HMSO, 52½p.

‡ *Report of the Working Group on Biological Manpower*, Cmnd. 4737, HMSO, 85p.

4. A study of the support of scientific research in the universities was published in October*.

5. The Council set up in conjunction with the research councils and the University Grants Committee a working group "to consider the role of the Research Councils in supporting postgraduate training and advise on the numbers and kinds of award to be financed from the Science Budget in the light of (i) the expansion of numbers in higher education, (ii) the future Science Budget, and (iii) the relationship of awards to research grants and other selective support". The Group first met in December.

Research Councils

6. The annual reports of the research councils are listed in Appendix F.

7. The Department with the help of the Research Councils began preparations for a major science exhibition (SEARCH) to be held at the Science Museum in the summer of 1972. The main sections will be about science and space, the environment, food production and health.

The Office for Scientific and Technical Information (OSTI)

8. A report describing the work of OSTI from its establishment in 1965 to 1970 was published in May†.

9. As a result of the Secretary of State's decision to close the Documentation Processing Centre at Manchester resources were re-allocated to support alternative projects in the universities and elsewhere. With the help of the Advisory Committee for Scientific and Technical Information the Department has reviewed the balance of OSTI-supported research and has established priorities for future support. OSTI's activities are reported in the quarterly newsletters‡.

International Relations (Science)

10. The meeting of OECD Ministers in Paris in October was attended by officials of the Department. The progress of science and technology, and science policy to meet the social and economic needs of the 1970's, were discussed.

11. A delegation led by Mr. J. F. Embling, a deputy secretary at the Department, represented the United Kingdom at the intergovernmental UNESCO Conference, UNISIST, in Paris in October. The Conference endorsed the principles underlying UNISIST, a programme of work aimed at developing a world scientific and technical information system in the form of a flexible network of existing and future information services.

* *Report of a Study on the Support of Scientific Research in the Universities*, Cmnd. 4798 HMSO, 45p.

† *O.S.T.I.: The First Five Years*, HMSO, 50p.

‡ Copies of newsletters may be obtained from O.S.T.I. General Office, Department of Education and Science, Elizabeth House, York Road, London SE1 7PH.

12. The European Space Research Organisation, established in 1964 to provide for collaboration among European states in space research and technology, decided in December that its future programme would include applications as well as research satellites. The UK subscription for space research will continue to be met from the Civil Science Budget through the Science Research Council but the Department of Trade and Industry will be responsible for meeting the subscription for applications work.

13. In addition to an annual contribution of £100,000 to the International Agency for Research on Cancer, a special grant of £45,000 was approved at the end of the year for equipping the agency's new headquarters building at Lyons.

14. The International Institute for the Management of Technology was formally established with a signing ceremony in Paris in October under the auspices of the OECD. The institute, which will be in Milan, will combine the efforts of industry and governments to improve European management performance.

15. The British Council assumed responsibility for the placement of foreign scientists in United Kingdom research establishments in April. Prior to April the Department and the British Council had collaborated in this field.

16. In September the Department handed over to the British Council its responsibility for scientific exchange between Great Britain and the USSR. Arrangements had been made under the scheme for 11 British and 17 Russian scientists to exchange.

SECTION VII

WALES AND MONMOUTHSHIRE

The responsibility for all schools in Wales, including nursery, primary and secondary, special, direct grant and independent schools was transferred in November 1970 to the Secretary of State for Wales. This chapter is concerned with those educational functions in Wales which remain the responsibility of the Secretary of State for Education and Science. Developments affecting England and Wales uniformly are covered in the appropriate sections of this Report.*

1. In the further education sector substantial progress was made in the development of major institutions of national importance to Wales. The Glamorgan Polytechnic received its formal designation in June. In the same month the new library of the College of Librarianship, Wales, at Aberystwyth was formally opened. In the autumn the Welsh National College of Agriculture, also at Aberystwyth, received its first intake of students. The design list included an allocation for the main new building of the Welsh College of Music and Drama in Cardiff.

2. In the field of teacher training the Welsh Joint Education Committee and the University of Wales, with the cooperation of the Inspectorate, established a coordinating committee for the development of in-service training of teachers in Wales and took the first steps needed to improve provision.

FURTHER EDUCATION

Student Numbers

3. The provisional numbers of students attending grant-aided further education establishments in Wales in November 1971 were 11,100 full-time, 1,600 sandwich, 31,200 part-time day and 18,600 evening only students.

4. Approximately 2,000 students were enrolled on all courses at the Glamorgan Polytechnic in November 1971, compared with 2,284 in 1970.

Building

5. The value of further education projects started in 1971 was £2.3m. The 1972-73 starts programme announced in November included just under £1m. for Wales.

6. A project to extend Glamorgan Polytechnic and build a 100-place hostel for students was included in the 1972-73 starts programme.

Colleges of Further Education

7. New articles of government for 4 further education establishments in Wales were approved by the Secretary of State under Section 1(3) of the Education (No. 2) Act 1963.

* *Education and Science in 1970*, page 59.

ADULT EDUCATION

8. Grants totalling £181,014 for the academic session 1970-71, compared with £154,994 in 1969-70, were made to the seven responsible bodies providing courses of liberal adult education in Wales.

9. Provisional student numbers in adult education classes provided by LEA's were 121,600 in November 1971 compared with 102,181 in 1970. 30,193 students were registered in courses of adult education provided by Responsible Bodies in 1970-71.

10. A short-term residential adult college in Dyffryn for use by the Welsh LEAs and other bodies such as the Workers Education Association and the University of Wales Extra-mural Departments, was opened by Glamorgan Education Authority.

TRAINING OF TEACHERS

Initial Training

11. In the 1970-71 session the total student numbers in the nine Welsh colleges was 6,315.

12. Certificates in education were awarded to 1,919 students, art teachers certificates to 53 students and BEd degrees to 98 students.

13. Of the 304 students receiving the Certificate of Proficiency in Bilingual Teaching, 276 received Form 3 of the Certificate for teaching Welsh and English as second languages and teaching through the medium of Welsh.

14. BEd bridging courses are now run at Bangor, Cardiff, Swansea and Trinity College, Carmarthen.

Building

15. The 1972-73 starts programme announced in October allocated £460,000 for three college of education projects.

16. Extra minor works to the value of £100,000 at colleges of education were added to the 1971-72 programme in areas of high unemployment.

YOUTH SERVICE

17. The new arrangements for capital grants for the voluntary youth service announced in Circular 13-71 in November are reported on page 19.

LIBRARIES

Library Advisory Council (Wales)

18. The activities of the Library Advisory Council for Wales are recorded (in accordance with the Public Libraries and Museums Act 1964) in Appendix A.

Public Library Authorities

19. Loan sanctions to the value of £474,748 were recommended in the financial year 1970-71 for new branch libraries and improvements to existing library buildings in Wales.

SECTION VIII

FINANCE AND GENERAL

FINANCE

Public Expenditure

1. In 1970-71, public expenditure on education in England and Wales (excluding Welsh schools—the responsibility of the Welsh Office since November 1970) and on universities in Great Britain was £2,244.8m. compared with £1,942.5m. in 1969-70. The following table sets out the main heads of expenditure together with the corresponding figures for the previous year:—

TABLE 11.—*Summary of public authorities education expenditure(i)*

£m.

Sector	1969-70			1970-71 (Provisional)		
	Current	Capital	Total	Current	Capital	Total
Schools (England)						
Primary	380.4	157.4	1,073.9	436.2	205.9	1,250.9
Secondary	422.1			477.9		
Other(ii)	114.0			130.9		
Further Education	226.8	45.0	271.8	262.7	51.0	313.7
Teacher Training	92.3	7.8	100.1	102.0	7.6	109.6
Universities	234.3	74.4	308.7	284.8	76.4	361.2
Other	84.4	6.2	90.6	97.5	6.7	104.2
School Meals and Milk (England) (iii)	86.8	10.6	97.4	94.6	10.6	105.2
Total	1,641.1	301.4	1,942.5	1,886.6	358.2	2,244.8

(i) The figures represent expenditure in England and Wales except where otherwise indicated.

(ii) Includes nursery and special schools, fees and grants to independent and direct grant schools, school health and transport of pupils.

(iii) Does not include loan charges paid by local authorities which amounted to £165m. in 1969-70 and £181m. in 1970-71.

Expenditure in Wales on schools and school meals and milk was £87.2m. in 1970-71 compared with £79.6m. in 1969-70.

2. About half of the total current expenditure on education was on teachers' and lecturers' salaries, which amounted to £829.0m. in 1970-71 (£729.6m. in 1969-70). Expenditure on awards to students in universities, further education and colleges of education was £121.6m. compared with £114.3m. in the previous year.

Rate Support Grants

3. Local authority expenditure on education in 1970-71 was assisted by the Exchequer through rate support grants paid by the Department of the Environment under the Local Government Act 1966. The rate support grants for 1970-71 for England and Wales were based on estimates of local authority expenditure which included £1,894m. for education (with school meals and milk), after allowing for increases in pay and prices up to spring 1971.

4. The 1970 report mentioned that in autumn 1970 the totals of rate support grants were fixed at £2,004m. and £2,116m. for 1971-72 and 1972-73 respectively. In determining the grants the Government took account of estimated expenditure of £1,992m. and £2,083m. on the education service including school meals and milk. Following negotiations with the local authorities in autumn 1971 the totals of rate support grants for England and Wales were increased to £2,156m. and £2,303m. to take account of increases in pay and prices. The revised figures taken into account for education, including school meals and milk, were £2,157m. and £2,289m. for 1971-72 and 1972-73 respectively.

5. The White Paper *Public Expenditure to 1975-76*[†] which was published in December, showed that public expenditure on education and local libraries and museums in Great Britain is planned to increase from £2,895m. in 1971-72 to £3,261m. in 1975-76 on the price basis of the Public Expenditure Survey in 1971. In 1975-76, education will account for fourteen per cent of total public expenditure.

Inter-Authority Payments

6. The rates recommended by the Local Education Authorities Committee on Inter-Authority Payments, which advises on recoupment and inter-authority adjustment rates, were as follows:—

TABLE 12.—*Tuition costs per pupil**

	1969-70	1970-71	1971-72
Primary pupil and middle school pupil aged under 11	£98	£108	£124
Secondary pupil aged under 16 and middle school pupil aged 11 and over	£177	£185	£210
Secondary pupil aged 16 and over	£285	£300	£325

* For adjustments in respect of primary and secondary school pupils living in one area and educated in another, by financial year.

[†] *Public Expenditure to 1975/76*, 1971, HMSO, 68p.

TABLE 13.—*Tuition costs per student hour**

	1969-70	1970-71	1971-72
Colleges of Further Education			
C level work (i)	7s. 4d.	7s. 11d. (39½p)	43p
B level work (i)	8s. 7d.	9s. 3d. (46p)	51p
A2 level work (i)	11s. 8d.	12s. 6d. (62½p)	68p
Agricultural Institutes	£564 per year or 8s. 4d.	£581 per year or 8s. 5d. (42p)	£691 per year or 51p

* For recoupment payments for further education, by academic year.

(i) As defined in Appendix VII Part A of the 1969 Report of the Burnham Committee on Scales of Salaries of Further Education Teachers, HMSO, 35p.

TEACHERS' PAY AND SUPERANNUATION

Pay

7. Negotiations in the different committees for increases in teachers' pay from 1st April 1971 (except those in the farm institutes committee) led to arbitration. Arbitrators determined references from the Burnham primary and secondary committee in July, from the Burnham further education committee in September, and from the Pelham committee in October.

8. A new structure, substantially on the lines suggested by the management panel, was awarded to school teachers by the arbitrators. A single basic scale for all teachers (other than heads), supplemented by additions for various responsibilities and extra qualifications, was replaced by a promotion ladder of five self-contained scales for assistant teachers and separate scales for deputy head and head teachers. Teachers received a personal increase of not less than ten per cent, with the general expectation of further benefits in later years from bigger increments and higher maxima.

9. Teachers in further education, farm institutes, and colleges of education, received similar personal increases of ten per cent with assimilation to improved salary scales.

Superannuation

10. The Pensions (Increase) Act passed in July increased teachers' pensions along with other public service pensions and instituted a system of regular reviews.

11. The joint working party to consider a revision of the teachers' superannuation schemes, comprising the Department, the Scottish Education Department, the local authority associations and the teachers associations, was reconvened.

12. Regulations were made on 1st April, when the responsibility for the education of mentally handicapped children was assumed by the Department,

to exempt teachers of mentally handicapped children from membership of the teachers' superannuation scheme unless they elected to the contrary. By the end of the year about 2,000 had elected to join the scheme.

STUDENT SUPPORT

Student Numbers

TABLE 14.—*Students' awards in England and Wales*

	1968-69		1969-70	
	number	£m.	number	£m.
First degree comparable and lower level awards(i)	359,542	119.1	371,936	123.0
Postgraduate awards				
DES	6,278	2.9	7,120	3.4
LEA	2,894	1.0	1,755	0.6
Research Councils(ii)	9,467	6.3	10,975	6.3
Total	18,639	10.2	19,850	10.3

(i) These figures include awards from all public sources, and those on all full-time courses of initial teacher training under teacher training grant arrangements.

(ii) Research Council awards relate to Great Britain (except the MRC, which refers to UK).

13. The provisional figures for DES postgraduate awards for 1970/71 are 7,735 awards costing £3.7m.

14. There were five state scholars in the 1971-72 academic year.

15. Mature state scholarships were offered on the same basis as in previous years, and following applications from 78 men and 23 women scholarships were awarded to 13 men and 2 women.

16. Postgraduate studentships were offered on a competitive basis as in previous years as follows:—

TABLE 15.—*State studentships: applications, offers and acceptances 1971/72*

	Major State Studentships	One Year State Studentships
Applications	1,566(i)	1,249(ii)
Offers	620	394
Acceptances	542	336

(i) Including 72 and 34 within the fields respectively covered by the Hayter* and Parry† reports.

(ii) Including 7 and 5 within these respective fields.

* *Report of the Sub-Committee on Oriental, Slavonic, East European and African Studies*, 1961, HMSO, 32½p.

† *Report of the Committee on Latin American Studies*, 1965, HMSO, 35p.

17. Numbers of bursaries offered to higher education institutions on a quota basis were as follows:—

TABLE 16.—*Postgraduate bursaries*

	1971	
	Available	Taken up
Art studies	393	345
Museum studies, linguistics and other disciplines	120	101
Total	513	446

Rates of Grant

18. New Regulations* embodying the 1971–72 rates of student grant and some minor changes came into effect on 1st September. Following consultation with local authority associations, the Committee of Vice-Chancellors and Principals, and student unions, the rates of grant were revised as follows:

TABLE 17.—*Student maintenance grant rates at 1st September 1971*

First degree and comparable courses	Old rate	1971–2	1972–3	1973–4
London and the Universities of Oxford and Cambridge	£420	£465	£480	£500
Elsewhere	£380	£430	£445	£465
At home	£305	£345	£355	£370
College of education students (England and Wales) in residence	£170	£190	£200	£210

19. The rates of postgraduate studentships, except the basic grant for married women living at home with husbands who were able to work, were increased from Autumn 1971 as follows:—

TABLE 18.—*Postgraduate studentship award rates from Autumn 1971*

	Old rate	1971–2	1972–3	1973–4
Students in college, hall or lodgings ..	£550	£630	£650	£675
Living at home	£425	£485	£500	£520

Student Union Finance

20. The Awards (First Degree, etc. Courses) (Amendment) Regulations 1971 made in May 1971 dealt with anomalies in the 1970 Regulations which gave rise to difficulties in the payment of student union fees by local authorities.

* Awards (First Degree, etc. Courses) Regulations 1971, see Appendix E.

21. Proposals to put the financing of student unions on a new basis were issued in November. The Department emphasised the consultative nature of these proposals and asked a wide range of organisations for their comments. Preliminary meetings had been held with representatives of the local authority associations, the vice-chancellors and the students, and talks were continuing at the end of the year.

EDUCATIONAL BUILDING

Educational Building Programme Policy

22. A thirteen per cent increase in the cost limits for schools, and a twenty per cent increase in the limits for colleges of education and further education, were announced in Administrative Memorandum 3/71, issued in March. The limits for schools were last raised in April 1970 and for colleges in April 1967.

Standards for School Premises

23. In October the Secretary of State made Regulations* amending the Standards for School Premises Regulations, 1959. The main purpose of the amendments and accompanying changes in building programme procedures was to widen the choice of sites available for school building and to ensure that statutory and administrative controls did not impede the movement towards a broader programme of physical education in schools.

School Development Projects

24. Design studies for a new development project—the 240-place Chaucer Infants School, Ilkeston, Derbyshire—were started in the autumn. Progress on other development projects is described in the *Design Notes*† and *Building Bulletins*‡.

25. A study of the building needs of severely handicapped children was being undertaken following the changes introduced by the Education (Handicapped Children) Act, 1970.

Research Project on Environmental Design

26. The Department-sponsored project on the design of the internal environment of schools, conducted by Professors Hopkinson and Watson of London University, was given a further grant of £42,000, spread over the three years 1971–72 to 1973–74.

Building Productivity Group

27. A study on accuracy in system building was started during the year.

Higher and Further Education Area Standards

28. New area standards for non-teaching accommodation for polytechnics and for other further education establishments were announced in the autumn.

* See Appendix E.

† Available free from Technical Reference Library, A & B Branch at the Department.

‡ Published by HMSO.

Laboratories Investigation Unit

29. The unit is designing a science building for Bristol Polytechnic; this project, which will cost £1.25m., is due to start building in 1972-73. Preliminary briefing has been completed and design work is continuing. Two science laboratories at Harpurhey Girls' School, Manchester, were converted to take a new range of mobile furniture.

Polytechnic Study Group

30. An investigation of the needs of students in residential accommodation and of the relationships between residence and institutions was commenced.

Public Libraries Study

31. A study was begun of user needs in public libraries, with the aims of defining the present range of services, identifying future trends and evolving principles applicable to the location and design of public libraries. An assistant county librarian has been loaned to the Department to conduct the study.

Building Progress

32. The figures for 1971 and the three previous years are as follows:

TABLE 19.—*Educational building 1968-71(i)*

	Value of projects started in:—				Value of projects completed in:—				£m. Value of work under construction at end of 1971
	1968	1969	1970	1971	1968	1969	1970	1971	
Major projects:—									
Primary and secondary schools	92.3	80.0	111.8	155.4	90.9	95.2	89.3	106.4	203.4
Further education	17.9	25.1	15.9	31.8	14.0	24.9	27.0	21.0	50.8
Colleges of education	6.5	4.0	5.2	5.7	8.7	6.1	3.8	2.4	10.4
Special schools and school health projects	4.2	6.2	5.6	6.6	5.3	4.5	4.3	6.9	8.2
Total	120.9	115.3	138.5	199.5	118.9	130.7	124.4	136.7	272.8
Other Projects	35.0	29.9	33.6	43.0	34.2	30.3	33.6	35.9	17.6
All Projects	155.9	145.2	172.1	242.5	153.1	161.0	158.0	172.6	290.4

(i) The figures do not include site purchase, professional fees or the cost of furniture and equipment.

GENERAL

Departmental Staff

33. The staff of the Department was 2,858 on 31st December 1971, compared with 2,889 on 1st January 1971. Preparations were begun during the year for the move of the Curzon Street staff to Elizabeth House at Waterloo in the summer of 1972.

EDUCATIONAL PLANNING AND RESEARCH

34. The Department's planning arrangements were substantially re-organised early in 1971, with the creation of a Departmental Planning

Organisation to deal with medium and long term planning questions. The reorganisation will involve relevant branches more closely in planning issues than before. A policy steering group was formed, together with two subordinate policy groups concerned with higher education and schools. Their work is supported by a planning unit which works closely with the Department's economic and statistical staff.

35. The research programme is administered by the planning unit. In general, the Department's policy continued to be to apply its research funds to questions relevant to policy development and educational issues of public concern. Major projects are referred to in the appropriate sections of this report. The sums committed to new projects were as follows:—

TABLE 20.—*Funds for research started in 1971*

	£
Schools	1,400
Special education	17,800
Teachers	76,800
Higher education	15,700
Building and equipment design ..	44,300
Educational technology	61,400
Arts and libraries	15,100
	<hr/>
	£232,500

EDUCATIONAL TECHNOLOGY

Working Party on National Organisation for Educational Technology

36. The Working Party on the National Organisation for Educational Technology* submitted its report to the Secretary of State in December. The main recommendation was that a new national organisation, with a representative governing council, should be established to serve all sectors of education and training in the United Kingdom. It was envisaged that the organisation, which would supersede the National Council for Educational Technology, would have resources to enable it to assume an effective co-ordinating and consultative role, and to conduct or commission research. An organisational structure to facilitate this, and a formal consultative relationship between the central organisation and other organisations representing the major sectors of education and training, were recommended. A standing committee was recommended to provide a forum for discussion between users and industrial producers of equipment and materials.

LIBRARY

37. During the year a working party reported on the present and future functions of the Library

38. The Library is making preparations for the 1972 move, with the rest of the Department, to Elizabeth House at Waterloo, when its extensive research stock and the earlier runs of periodicals will have to be held outside London.

* *Education and Science in 1970* see page 78.

39. The Library accessions list has now been incorporated with the overseas editions bulletin and is entitled *Education Developments at Home and Abroad**. A new edition of the periodicals list and many subject bibliographies have also been completed.

INTERNATIONAL RELATIONS (EDUCATION)

Council of Europe

40. The Parliamentary Under-Secretary of State Mr. W. R. van Straubensee, attended the European Ministers of Education Conference in Brussels in June. The conference theme was post-secondary education in the context of life-long education.

41. The Department was represented at both Council for Cultural Cooperation meetings and the programme and main committee meetings. Experts were nominated by the Department to attend meetings organised by the Council and to participate in courses and seminars of member countries.

European Economic Community

42. New developments within the EEC which could affect education were kept under review. Arrangements were made for consultation between the EEC and candidate states on matters under consideration by the Community during the interim period before formal accession. Matters of interest to the Department included community directives on mutual recognition of qualifications.

43. Work was begun on the implications of the European School Statute, under which the European schools serving the staffs of Community agencies are administered.

UNESCO

44. A member of the Inspectorate led the British delegation to the 33rd International Conference on Education in Germany in September. The main theme of the Conference, which was organised by the International Bureau of Education, was the social background of students and their chance of success at school.

OECD

45. In July the United Kingdom agreed to participate in the activities of the OECD Centre for Educational Research and Innovation.

Commonwealth Education Conference

46. Two members of the Inspectorate attended the 5th Commonwealth Education Conference in Canberra in February.

* Available on request from the Library.

Teacher and Other Educational Exchanges

47. It was arranged to make travel and cost of living grants available to teachers on one-term exchanges in France or Germany from the beginning of the school year 1972.

48. In the Autumn the detailed administration of the student exchanges with *écoles normales* was assumed by the Central Bureaux for Educational Visits and Exchanges.

49. Numbers participating in the modern languages assistant scheme continued to increase. See Appendix C.

APPENDIX A

LIBRARY ADVISORY COUNCIL (ENGLAND)

1. The Report by the Library Advisory Councils (for England and Wales) submitted to the Secretary of State on Public Library Service Points was published* without commitment by the Secretary of State to its findings. The Report recommended that, in view of the growing recognition of the general educational function of libraries, there should be greater emphasis on the provision in urban areas of larger "district" libraries with a full range of library facilities, and that these would need to be supplemented by smaller service points providing a mainly recreational service. Emphasis was also placed on the importance of making provision in library buildings for cultural activities, for example by the inclusion of meeting rooms, exhibition space and refreshment facilities.
2. The working party of the Council established in 1970 to study the provision of periodicals in public libraries completed its study of their acquisition and retention, and began a detailed examination of their use.
3. Working parties were set up to study hospital library services and the application of modern management techniques to the public library service.
4. The Council submitted its views to the Secretary of State on the Government's proposals for the reorganisation of local government in England, and statements of the Council's views were also submitted to the Secretary of State for the Social Services on library service aspects of National Health Service reorganisation, and to the Inquiry on Teacher Training established under the chairmanship of Lord James of Rusholme.

LIBRARY ADVISORY COUNCIL (WALES)

1. The Council considered the consultative document *The Reform of Local Government in Wales* published in July 1971 by the Secretary of State for Wales. They unanimously reaffirmed the view with regard to the allocation of library functions which they had expressed in 1969 in relation to earlier proposals for local government reorganisation in Wales, namely that while library powers should remain with the county authorities, some arrangement was needed which would permit county districts of a certain size and character, under certain conditions, to put a case to be allowed to exercise library powers to the Secretary of State for Education and Science.
2. The Council reviewed its subcommittee and working parties during the year. It invited the working parties on Library Information Services to Industry in Wales and that on Standards and Provision of Welsh Books to continue their activities, and it appointed a new working party to consider public libraries as cultural centres.

* Library Advisory Councils for England and Wales, Public Library Service Points: report with some notes on staffing. HMSO, 1971.

APPENDIX B

Grants to Voluntary Bodies for Education Services under the Educational Services and Research Regulations, 1946 (Grant Regulations No. 4)

Organisation	Grant made or approved in 1971-72
	£
Association for Liberal Education	1,000
Association of Teachers of Management	2,000
British Association	14,900
British Interchange Committee of the English Speaking Union ...	6,056
Central Bureau for Educational Visits and Exchanges	123,350
Centre for Information on Language Teaching	59,026
Council for Education in World Citizenship	1,640
Educational Foundation for Visual Aids	24,000
Federation of Associations of Teachers of English to Pupils from Overseas	500
Fund for International Student Cooperation	20,000
Institute of Biology	3,000
Institute of Physics and the Physical Society	3,500
Institute for Research into Mental Retardation	200
League for the Exchange of Commonwealth Teachers	5,385
National Council for Educational Technology*	58,925
National Foundation for Educational Research	10,000
Nursery School Association of Great Britain and Northern Ireland	250
Pre-School Playgroups Association	7,000
Royal Agricultural Society of England	5,690
Royal Institute of Chemistry	3,000
Royal Institution... ..	1,250
Royal Institution of Chartered Surveyors	450
Royal Society for the Prevention of Accidents	3,000
Save the Children Fund	2,000
Tyneside Film Theatre (North East Film Educational Project) ...	1,500

* In addition to this grant for education and general expenses, £58,860 was allocated for research projects conceived at the request of the NCET. See page 38 para 35.

APPENDIX C

Numbers participating in the modern languages assistant scheme administered by the Central Bureau for Educational Visits and Exchanges

			Overseas Assistants serving in England and Wales			Assistants from England and Wales serving in Europe		
			1969	1970	1971	1969	1970	1971
Algeria ...	...	...	11	20	25	—	—	—
Austria ...	...	...	36	50	54	32	31	35
Belgium ...	...	...	13	25	17	2	2	3
France ...	...	...	1,958	2,013	2,177	900	936	955
Germany ...	...	...	510	620	629	239	277	312
Italy ...	...	...	17	14	14	23	30	28
Morocco ...	...	...	18	12	25	—	—	—
Spain ...	...	...	192	220	195	39	34	70
Switzerland ...	...	...	40	50	48	11	16	14
Tunisia ...	...	...	29	40	54	—	—	—
Other ...	...	...	—	18	11	—	—	—
Total ...	...	...	2,824	3,082	3,249	1,246	1,326	1,417

APPENDIX D

(i) Orders under the Education Acts, etc.

The following table shows the number and description of the Orders made under the Education Acts 1944 to 1968, together with certain other enactments, during the year 1971:—

Description*	England†
<i>Orders under the Education Acts 1944 to 1968:—</i>	
Classification of Voluntary Schools (Section 15)	
Controlled (Primary Schools)	2
Aided Schools (Primary Schools)	52
(Secondary Schools)	8
Revocation of Aided Status (Primary Schools)	32
(Secondary Schools)	2
Transfer of School to new site (Section 16(1))	164
Substitution of School (Section 16(2))	8
Management and Government of Schools (Section 17)	
Instruments of Management (Primary Schools)	113
Instruments of Government (Secondary Schools)	31
Articles of Government (Secondary Schools)	31
School struck off Register or	
Teacher disqualified (Section 72)	2
Removal of disqualification (Section 74(1))	—
Prevention of Reverter (Section 86(2))	2
Acquisition of Land:—	
Compulsory Purchase Orders confirmed‡ (Section 90)	95
Certificates of Expenses attributable to displaced pupils (Section 104)	22
Revocation or Varying Orders (Section 111)	11
Establishment of Joint Education Committees (First Schedule Part II)	2
Schemes of Divisional Administration Approved (First Schedule Part III)	2
Expenses of enlargement, Controlled Schools (Section 1, Education Act 1946)	61
Division of Schools (Section 2, Education Act 1946)	32
Costs of establishing Controlled Schools (Section 2, Education Act 1953)	8
Direction that School be deemed Primary or Secondary (Section 1(2) Education Act 1964)	61
<i>Under other Acts:—</i>	
Public Libraries Acts: Bye-Laws confirmed	14
Powers transferred	3
Certificate under the Statutory Orders (Special Procedure) Act 1945 (Section 2(2))	3
Diocesan Education Committees Measure 1955	1
TOTAL	762

* The Sections referred to are Sections of the Education Act 1944, except where otherwise stated.

† Orders relating to primary and secondary education are the responsibility of the Secretary of State for Wales.

‡ There were 16 Public Inquiries held in England in connection with Compulsory Purchase Orders.

APPENDIX D—continued

(ii) Orders under the Charities Act 1960, etc.

The following table shows the number and descriptions of the Schemes and Orders under the Charities Act 1960, or otherwise relating to Charitable Trusts, made during the year 1971:—

Description	England	Wales*
Orders establishing Schemes	127	6
Other Orders:—		
for the appointment or removal of trustees ...	140	3
giving authority to sell, exchange or otherwise dispose of land	944	5
for the commutation of rent charges or like payments to Foundations	18	—
giving authority to grant building, mining or leases or to execute agreements for leases or directions thereon, or to surrender or accept the surrender of leases	135	—
approving the purchase of land or the erection or improvement of buildings, or otherwise relating to loans or capital expenditure for the benefit of Foundations	194	—
pensions or gratuities	1	—
appointing members of committees of management	16	—
varying Orders	7	—
authorising additions to Investment Pool ...	2	—
TOTAL	1,584	14

* Orders relating to primary and secondary education are the responsibility of the Secretary of State for Wales.

(iii) Schemes under the Endowed Schools Acts

During the year 1971 the number of Schemes dealt with under the Endowed Schools Acts was as follows*:

Issued for publication in draft	0
Finally settled by the Secretary of State and issued for final publication	1
Approved by Her Majesty in Council	1

The approved Scheme was made under Section 86 of the Education Act 1944, as amended by the Education Act 1946, directing that the Endowed Schools Acts, subject to certain modifications, should apply to the foundations contained in the Schedule thereto. The area covered by the Scheme is the diocese of Rochester.

The object of these Section 86 Schemes is to enable the endowments of closed church schools, including the proceeds of sale and leases of the school premises, to be used for the erection, improvement or enlargement of other schools of the same denomination. Schools which are scheduled to close in the development plans of local education authorities are included in the Schemes as well as those schools which are already closed, but, when a school which is still open is included, it is provided that the Scheme shall have no effect on it, other than to transfer the trusteeship, until it is closed.

* The figures relate in each instance to the stage of the proceedings which had been reached by the end of the year.

APPENDIX E

Statutory Instruments* made by the Secretary of State during the year

			<i>Net Price</i>
The Awards (First Degree, etc. Courses) (Amendment) Regulations 1971	...	S.I. 1971/884	3p
The Awards (First Degree, etc. Courses) Regulations 1971	...	S.I. 1971/1297	12½p
The British Museum (Authorised Repositories) Order 1971	...	S.I. 1971/82	2p
The Direct Grant Schools (Amendment) Regulations 1971	...	S.I. 1971/1788	3p
The Education (Handicapped Children) Act 1970 (Appointed Day) Order 1971	...	S.I. 1971/187	3p
The Education of Handicapped Children (Transfer of Staff and Property) Order 1971	...	S.I. 1971/341	7½p
The Increase of Pensions (Teachers' Family Benefits) Regulations 1971	...	S.I. 1971/1614	5p
The Local Education Authorities Recoupment (Further Education) (Amendment) Regulations 1971	...	S.I. 1971/701	3p
The Local Education Authorities Recoupment (Further Education) (Amendment No. 2) Regulations 1971	...	S.I. 1971/1821	3p
The National Gallery (Lending Outside the United Kingdom No. 1) Order 1971	...	S.I. 1971/424	Not on sale
The National Gallery (Lending Outside the United Kingdom No. 2) Order 1971	...	S.I. 1971/436	2p
The Provision of Milk and Meals (Amendment) Regulations 1971	...	S.I. 1971/169	3p
The Provision of Milk and Meals (Amendment No. 2) Regulations 1971	...	S.I. 1971/1368	7½p
The Qualified Teachers and Teachers in Special Schools Regulations 1971	...	S.I. 1971/342	5p
The Rate Support Grants (Pooling Arrangements) (Amendment) Regulations 1971	...	S.I. 1971/1654	3p
The Removal of Defence Works (Grants) Regulations 1971	...	S.I. 1971/534	3p
The Remuneration of Teachers (Further Education) (Amendment) Order 1971	...	S.I. 1971/1426	5p
The Remuneration of Teachers (Primary and Secondary Schools) (Amendment) Order 1971	...	S.I. 1971/437	7½p
The Remuneration of Teachers (Primary and Secondary Schools) (Amendment No. 2) Order 1971	...	S.I. 1971/1427	5p
The Remuneration of Teachers (Primary and Secondary Schools) Order 1971	...	S.I. 1971/1539	5p
The Standards for School Premises (Amendment) Regulations 1971	...	S.I. 1971/1553	3p
The Superannuation (Teaching and Northern Ireland Local Government) Interchange Rules 1971	...	S.I. 1971/907	10p
The Superannuation (Teaching and Police) Interchange Rules 1971	...	S.I. 1971/1380	10p
The Superannuation (Teaching and Public Boards) Interchange (Amendment) Rules 1971	...	S.I. 1971/2147	3p
The Teachers' Superannuation (Amendment) Regulations 1971	...	S.I. 1971/403	7½p
The Teachers' Superannuation (Family Benefits) (Amendment) Regulations 1971	...	S.I. 1971/679	10p

* Obtainable from HMSO—postage extra.

APPENDIX F

Publications*

Parliamentary Papers

Command 4572	...	The British Library	...	7½p
Command 4676	...	Future Policy for Museums and Galleries	...	7½p
Command 4737	...	Report of the Working Group on Biological Manpower	...	85p
Command 4798	...	Report of a Study on the Support of Scientific Research in Universities	...	45p
Command 4814	...	The Future of the Research Council System (incorporated in the CSD Green Paper "A Framework for Government Research and Development")	...	52½p
Command 4845	...	Export of Works of Art 1970-71	...	36½p

Circulars

issued to LEAs and as appropriate others concerned with the provision and administration of educational facilities. Copies can be obtained from the Department.

<i>Circular number</i>	<i>Title</i>	<i>Date of publication</i>
1/71	Employment and distribution of teachers—1971-72 Teachers quota	12th January 1972
2/71	Transfer to the universities of financial responsibility for undergraduate students attending vacation and field study courses	2nd February 1971
3/71	Revised arrangements for school meals	9th February 1971
4/71	Tuition fees in further education	8th March 1971
5/71	Awards to students	5th April 1971
6/71	Education of autistic children (joint circular with Welsh Office (Welsh circular number 91/71))	17th June 1971
7/71	The structure of art and design education in the further education sector: Report of the Joint Committee of the NACAE and NCDAD	12th July 1971
8/71	Raising the school leaving age to 16 (joint circular with Welsh Office (Welsh circular number 139/71))	24th August 1971
9/71	Tidal flooding in Greater London (joint circular with Ministry of Agriculture, Fisheries and Food, Department of the Environment, Department of Health and Social Security, Home Office and Ministry of Posts and Telecommunications)	26th July 1971
10/71	The qualification of teachers	3rd September 1971
11/71	Grants to recognised students attending approved courses of teacher training	10th September 1971
12/71	Provision of milk and meals (Amendment No. 2) Regulations 1971 (joint circular with Welsh Office (Welsh circular number 147/71))	26th August 1971
13/71	Capital grants to voluntary youth service, village hall and community centre projects: new arrangements	15th November 1971
295	Education grants for service children	14th September 1971

* A full list of all the Department's non-parliamentary publications is contained in Department of Education and Science Sectional List No. 2, Revised six-monthly, HMSO. Priced publications are available from HMSO, unpriced publications are available from the Department.

APPENDIX F—continued

Administrative Memoranda

Issued to LEAs and as appropriate others concerned with the provision and administration of educational facilities. Copies can be obtained from the Department.

<i>Administrative Memoranda number</i>	<i>Title</i>	<i>Date of publication</i>
1/71	Report of the Pelham Committee on scales of salaries for the teaching staff of colleges of education (England and Wales) 1969	7th January 1971
17/69	Writers in schools	8th January 1971
(Addendum)		
2/71	Census 1971. Recruitment of enumerators	3rd February 1971
26/70	In-service courses for teachers. Financial and administrative arrangements ...	22nd March 1971
(Addendum No. 1)		
3/71	Cost limits for educational building in England and Wales (joint AM with Welsh Office (Welsh Office number 1/71)) ...	22nd March 1971
4/71	Salary scales for teachers in primary and secondary schools	25th March 1971
5/71	Removal of temporary defence works (joint AM with Welsh Office (Welsh Office number 2/71))	14th April 1971
6/71	Acquisition of land. New arrangements for loans (joint AM with Welsh Office (Welsh Office number 3/71))	29th April 1971
7/71	Grants to students	4th June 1971
8/71	Youth service capital projects undertaken by LEAs	28th June 1971
9/66	Charges for industrial training provided by colleges of further education ...	7th June 1971
(Addendum No. 3)		
9/71	The appointment of English and foreign language assistants 1972-73	22nd July 1971
10/71	Programme of long courses for qualified teachers 1972-73	1st September 1971
11/71	Teachers' salaries. London area payment...	8th September 1971
12/71	The superannuation (teaching and police) interchange rules 1971	1st September 1971
13/71	Grants to postgraduate students	2nd September 1971
1/65	The temporary use of radioactive substances in educational establishments for demonstrations by visiting lecturers or student teachers in training	11th October 1971
(Addendum No. 1)		
14/71	The standards for school premises (amendment Regulations 1971)	1st October 1971
15/71	Educational building. Minor works ...	4th October 1971
16/71	Salary scales for teachers in primary and secondary schools	21st September 1971
21/70 and 9/71	Interchange of teachers and assistants with overseas countries 1971-72; the appointment of foreign language assistants 1972-73	30th September 1971
(Amendment)		
26/70	In-service courses for teachers; financial and administrative arrangements ...	20th December 1971
(Addendum No. 2)		
	Bound Volume of Circulars and Administrative Memorandum 1970	£2.50

Publications

New and substantially revised publications published in 1971 are listed. For reprints on existing publications see first footnote to this appendix, page 47..

<i>Statistics of Education</i>	<i>Price</i>
Statistics of Education 1969, Vol. 2—School leavers ...	£1.60
Statistics of Education 1969, Vol. 3—Further Education	£1.40

APPENDIX F—continued

Price

Statistics of Education

Statistics of Education 1969, Vol. 4—Teachers ...	£1.70
Statistics of Education 1969, Vol. 6—Universities ...	£2.70
Statistics of Education 1970, Vol. 1—Schools ...	£1.70
Statistics of Education 1970, Vol. 5—Finance and Awards ...	£1.37
Education Statistics for the UK 1969 ...	£1.50
Special Series No. 3—Earnings of Qualified Manpower in England and Wales ...	£1.00
Special Series No. 4—Survey of the Curriculum and Deployment of Teachers (Secondary Schools) 1965–66 Part II: The Curriculum ...	£2.50

Ends in Education (Annual subscription 80p (incl. postage))

o. 21 January ...	Teaching English: Training Headteachers: The Flying Classroom: 16–18 in France: Team Teaching: Probationer Teachers ...	17½p
o. 22 April ...	Pupils as People: Small Comprehensives: A Morality for Schools: Teaching Human Biology: A Place for Poetry: English in College: Teaching Practice: Junior Workshop. ...	17½p
o. 23 July ...	Why Innovate?: School Counselling: 6th Form Problems: Large v. Small Schools: School-College Courses: Child Development: Belgian Primary Education: Teachers' Centres: Physical Education ...	17½p
o. 24 October ...	Middle schools; (mathematics, science): The Leaving Age: School Libraries: Maladjusted Children: The Danish Gymnasium: Museums in Education: Index	17½p

Schools

Reports on Education

o. 69 ...	The Last to Come In (Education of Mentally Handicapped Children) ...	March	free
o. 70 ...	Class Sizes in Primary Schools ...	April	
o. 71 ...	School Building ...	August	
o. 72 ...	Raising the School Leaving Age ...	September	

Education Surveys

o. 10 ...	Potential and Progress in a Second Culture ...	30p
o. 11 ...	Art in Schools ...	70p
o. 12 ...	Museums in Education ...	50p
o. 13 ...	The Education of Immigrants ...	85p
o. 15 ...	Slow learners in Secondary Schools ...	29p

Education Pamphlets

o. 58 ...	Camping ...	65p.
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Other Publications

Classics in the Curriculum (Education Information Booklet) ...	free
Prospects and Problems for Religious Education ...	45p
Keeping Animals in Schools ...	50p
Physical Education for the Physically Handicapped ...	40p

Teachers

Reports on Education

o. 68 ...	Probationary Teachers—	January...	free
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Other Publications

Report of the Arbitral Body on Salaries of Teachers in Establishments of Further Education in England and Wales 1971 ...	31½p
Report of the Arbitral Body on Salaries of Teachers in Primary and Secondary Schools ...	35p

APPENDIX F—continued

Reports on Education

Price

Other Publications

Scales of Salaries for Teachers in Primary and Secondary Schools, England and Wales 1971	31p
Burnham Further Education Committee Grading of Courses	70p
Programme of Long Courses for Qualified Teachers ...	free
Programme of Short Courses	free

Further Education

On Course

Termly journal for industry, commerce and the colleges and schools ...	free
No. 19 Spring	
No. 20 Summer	
No. 21 Autumn	
A word about ONC/OND (offprint from <i>On Course</i> No. 19)	free
A word about HNC/HND (offprint from <i>On Course</i> No. 21)	free
Further Education Information Service (offprint from <i>On Course</i> No. 20)	free
UK Coordinating Committee for Examinations in Computer Studies 1969/70 (<i>On Course</i> Insert)	free

Youth Service

Bi-monthly journal	16p
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Libraries

Public Library Service Points	26p.
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Science

Research Council

Reports	Agricultural Research Council Report 1970/71 to be published early 1972	
	Medical Research Council Report 1970/71	85p
	Natural Environment Research Council Report 1970/71	85p
	Science Research Council Report 1970/71	65p
	Social Science Research Council Report	£1.50
	Report on British Museum (Natural History) 1969/71 —available from the museum	

Other Publications

OSTI—The First Five Years	50p
Scientific Research in British Universities and Colleges, Volume I: Physical Sciences	£6.50
Volume II: Biological Sciences	£6.00
Volume III: Social Sciences (including Government Departments in other Institutions)	£5.50
List 10 index to Department of Education and Science Circulars and AMs Current on 1st January 1971 ...	45p

APPENDIX F—continued

International

International Affairs and the Commonwealth in Education (Education Information Booklet)	...	free
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General

laboratories Investigation Unit Papers

lo. 3	Growth and Change in Laboratory Activity: A paper based on a study of the University of Surrey.	free
lo. 4	...	...	The Economics of Adaptability: A comparative study of the initial and life costs of partitions	...
lo. 5	...	...	Conversions of Buildings for Science and Technology: a paper based on proposals for the adaptation of the Armstrong building for the Department of Zoology of the University of Newcastle-upon-Tyne	...

Other publications

Committee on Research and Development in Modern Languages—2nd Report	27½p
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