The Architects' JOURNAL for March 27, 1947 ARCHIT



tandard contents

every issue does not necessarily contain all these contents, but they are the regular features which continually recur.

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★ A glossary of abbreviations of Government Departments and Societies and Committees of all kinds, together with their full address and telephone numbers. The glossary is published in two parts—A to H one week, I to Z the next. In all cases where the town is not

	to parts—A to H one week, I to Z the next. In all cases where the town is not the word LONDON is implicit in the address.
IAAS	Incorporated Association of Architects and Surveyors. 75, Eaton Place, S.W.1.
ICE IEE IES IGE IHVE	Institution of Civil Engineers. Great George Street, S.W.1. Institution of Electrical Engineers. Savoy Place, W.C.2. Illuminating Engineering Society. 32, Victoria Street, S.W.1. Institution of Gas Engineers. 1, Grosvenor Place, S.W.1. Sloane 3158 Whitehall 4577 Temple Bar 7676 Illuminating Engineering Society. 32, Victoria Street, S.W.1. Sloane 8606 Institution of Heating and Ventilating Engineers. 72/74, Victoria Street, S.W.1.
IIBD	Victoria 0146/7 Incorporated Institute of British Decorators. Drayton House, Gordon Street,
ILA IOB IRA ISE LIDC	Institute of Landscape Architects. 12, Gower Street, W.C.1. Museum 1783 Institute of Builders. 48, Bedford Square, W.C.1. Museum 7197 Institute of Registered Architects. 47, Victoria Street, S.W.1. Abbey 6172 Institution of Structural Engineers. 11, Upper Belgrave Street, S.W.1. Sloane 7128-29 Lead Industries Development Council. Eagle House, Jermyn Street, S.W.1. Whitehall 7264
LMBA MARS MOA MOE MOH MOLNS MOS MOT MOTCP	London Master Builders' Association. 47, Bedford Square, W.C.1. Museum 3891 MARS Group (English Branch of CIAM). 46, Sheffield Terrace, W.8. Park 7678 Ministry of Agriculture and Fisheries. 55, Whitehall, S.W.1. Ministry of Education. Belgrave Square, S.W.1. Ministry of Health. Whitehall, S.W.1. Ministry of Labour and National Service. St. James's Square, S.W.1. Whitehall 4300 Ministry of Supply. Shell Mex House, Victoria Embankment, W.C. Gerrard 6933 Ministry of Transport. Berkeley Square House, Berkeley Square, W.1. Abbey 7711 Ministry of Town and Country Planning. 32-33, St. James's Square, S.W.1. Whitehall 8411
MOW NAMMC	Ministry of Works. Lambeth Bridge House, S.E.1. Reliance 7611 Natural Asphalte Mine-Owners and Manufacturers Council. 94, Petty France, S.W.1. Abbey 1010
NAS NBR NCBMP	National Association of Shopfitters. 9, Victoria Street, S.W.1. Abbey 5277/8 National Buildings Record. 37, Onslow Gardens, S.W.7. Kensington 8161 National Council of Building Material Producers. 2. Caxton Street, S.W.1.
NFBTE	National Federation of Building Trades Employers. 82, New Cavendish Street,
NFBTO	W.1. Langham 4041 National Federation of Building Trades-Operatives. 8, Rosebery Houses, Breams Buildings, E.C.4 Holborn 1881
NFHS NHBRC	National Federation of Housing Societies. 13, Suffolk St., S.W.1. Whitehall 2881/2/3 National House Builders Registration Council. 82, New Cavendish Street, W.1.
NHTPC	National Housing and Town Planning Council. 41, Russell Square, W.C.1. Museum 1264
NPL NRIAD	National Physical Laboratory. Head Office, Teddington. Molesey 1380 National Register of Industrial Art Designers. National Gallery, Trafalgar Square, W.C.2. Whitehall 2415
NSAS	National Smoke Abatement Society. Chandos House, Buckingham Gate, S.W.1. Abbey 1359
NT	National Trust for Places of Historic Interest or Natural Beauty. 42, Queen Anne's Gate, S.W.1. Whitehall 0211/2
PEP PWB	Political and Economic Planning. 16, Queen Anne's Gate, S.W.1. Whitehall 7245 Post War Building, Directorate of. Ministry of Works, Lambeth Bridge House, S.E.1. Reliance 7611
RCA RIAS	Reinforced Concrete Association. 94, Petty France, S.W.1. Whitehall 9936 Royal Incorporation of Architects in Scotland. 15, Rutland Square, Edinburgh. Edinburgh 20396
RICS	Royal Institution of Chartered Surveyors. 12, Great George Street, S.W.1. Whitehall 5322
RIB RIBA RFAC RS RSA RSI SCR	Rural Industries Bureau. 35, Camp Road, Wimbledon, S.W.9. Royal Institute of British Architects. 66, Portland Place, W.1. Royal Fine Art Commission. 6, Burlington Gardens, W.1. Royal Society. Burlington House, Piccadilly, W.1. Royal Society of Arts. 6, John Adam Street, W.C.2. Royal Sanitary Institute. 90, Buckingham Palace Road, S.W.1. Society for Cultural Relations with the USSR. 98 Gower Street, W.C.1. Euston 6272/3
SFMA	School Furniture Manufacturers' Association. 13, New Square, Lincoln's Inn, W.C. Chancery 5313
SIA	Society of Industrial Artists. Room 243, Empire House, St. Martin's-le-Grand, E.C.I. Metropolitan 8344
SNTPC SPAB	Scottish National Town Planning Council. 11, Drumsheugh Gardens, Edinburgh, 3 Society for the Protection of Ancient Buildings. 55, Great Ormond Street, W.C.1. Holborn 2646
TCPA	Town and Country Planning Association. 28, King Street, Covent Garden, W.C.2

Timber Development Association. 75, Cannon Street, E.C.4. Town Planning Institute. 18, Ashley Place, S.W.1. Timber Trades Federation. 81, Cannon Street, E.C.4.

War Damage Commission. Devonshire House, Mayfair Place, Piccadilly, W.1.

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Zinc Development Association. Lincoln House, Turl Street, Oxford. Oxford 47988

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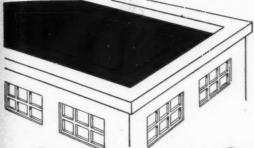
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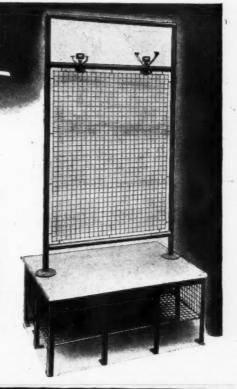
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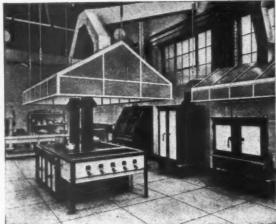
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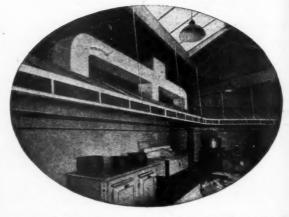
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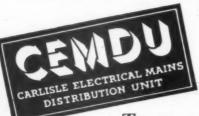
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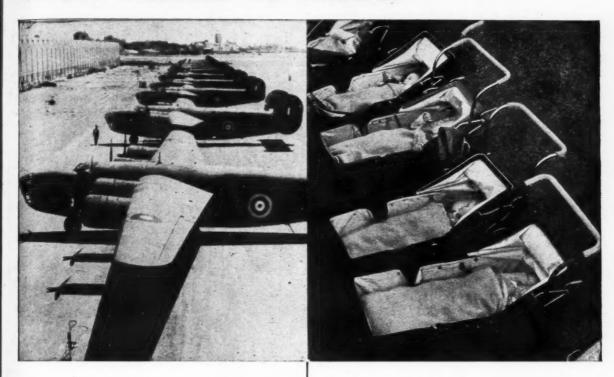


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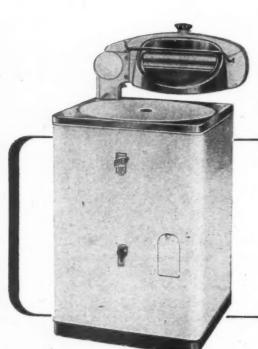
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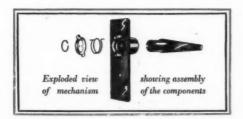


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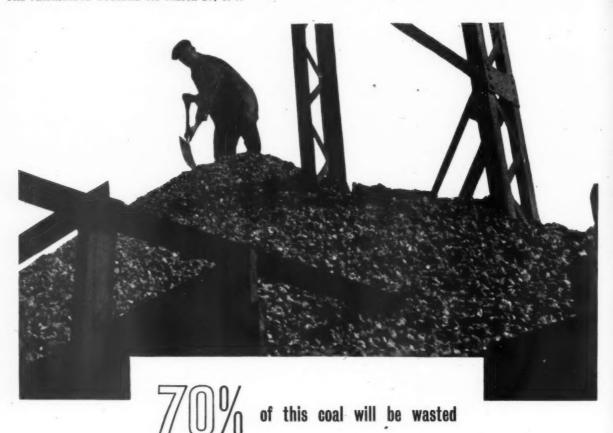


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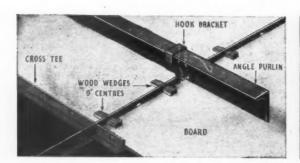


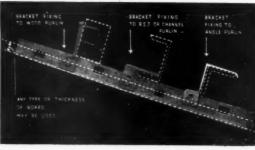


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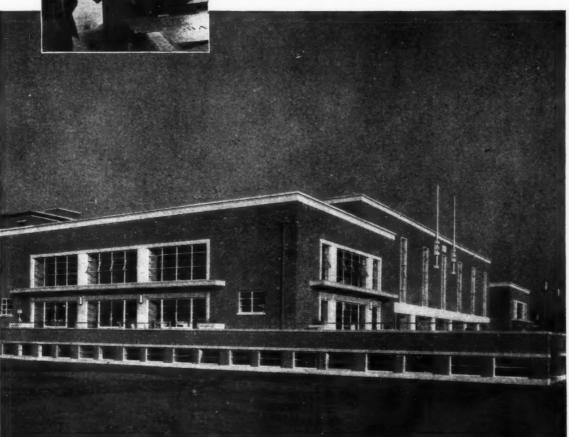






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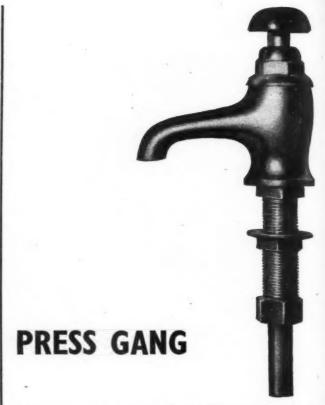
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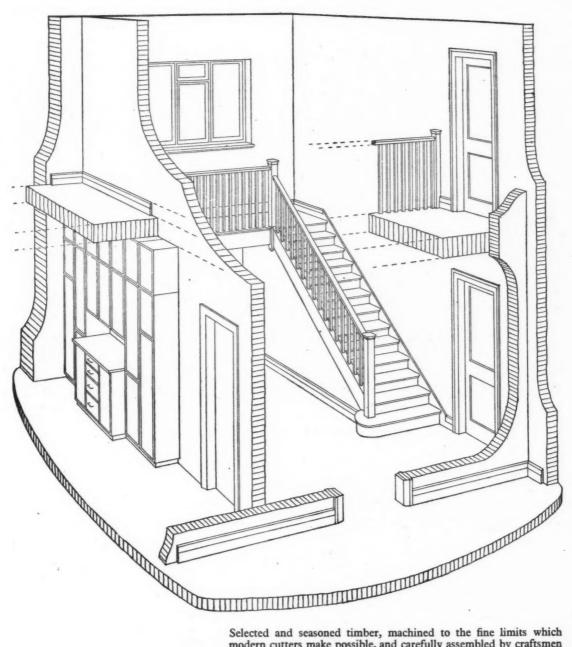
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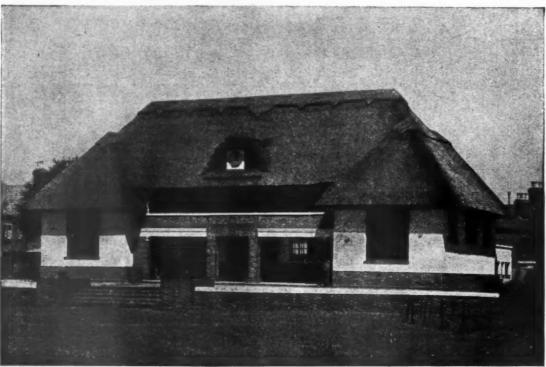
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A large number of Planning Reports has been published in the last few years - so many, in fact, that Architects and Planners are often too busy with their own buildings and schemes to study all the work of their colleagues. Summaries of the main points of Town and Regional Plans in a convenient form are therefore likely to be most useful. Many of the larger Reports are already fairly well known, but there is a great deal of interesting material in the proposals for the smaller towns, and I am glad to see that all these less familiar schemes are to be included in this series. The re-creation of our existing towns is just as necessary and exciting a task as the building of new towns. aspects of planning will be complementary to one another in the next 20 to 30 years and I sincerely hope that as these summaries become available all Architects and others interested will study them with care and keep them for reference.

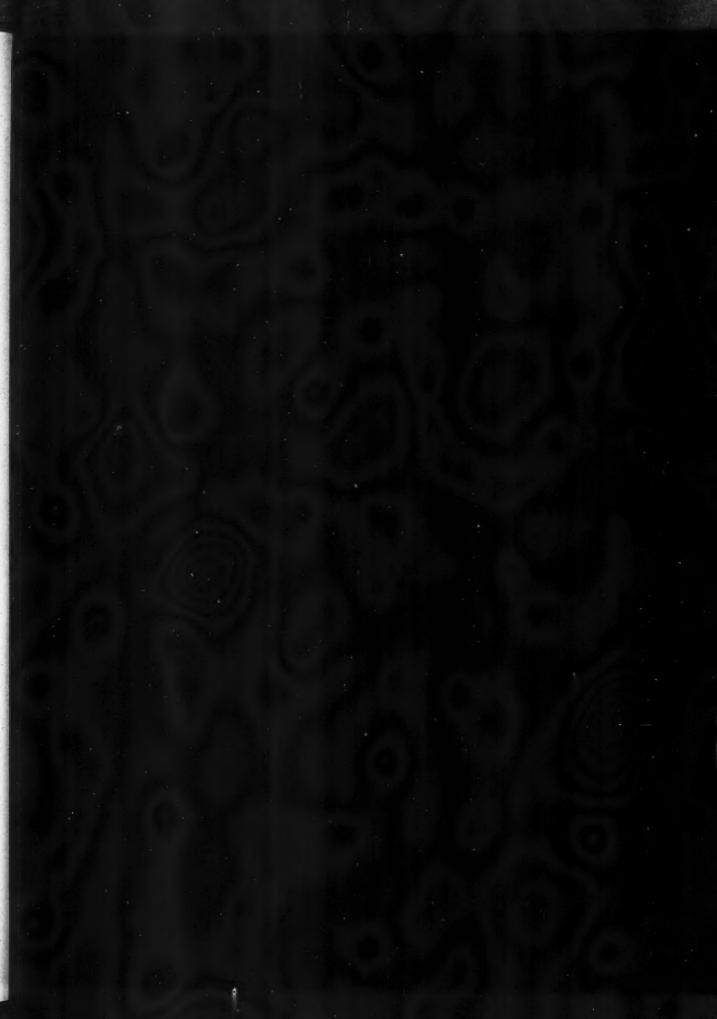
To enable Architects, Housing authorities, Planners and others interested to familiarise themselves with the main features of the more important Town and Regional Planning Schemes, Ascort have commissioned a team of experts on Town and Country Planning to summarise the plans in a convenient standardised form. The following Summaries are now available:

List of Plans No. 1. • Greater London Plan No. 2 (a). • County of London Plan No. 2 (b). • Manchester Region Plan No. 3 (a). • City of Manchester Plan No. 3 (b). • City of Norwich Plan No. 4. • Exeter Phoenix No. 5. • A Plan for Plymouth No. 6.

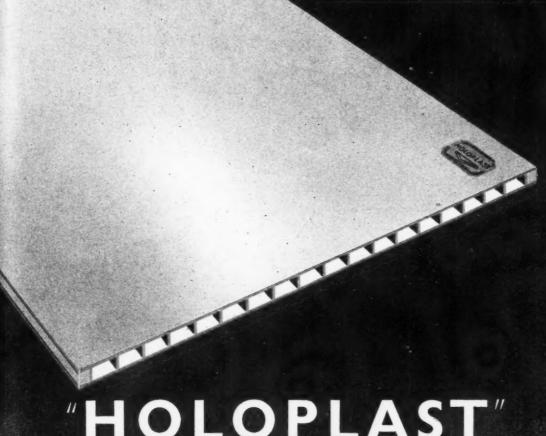




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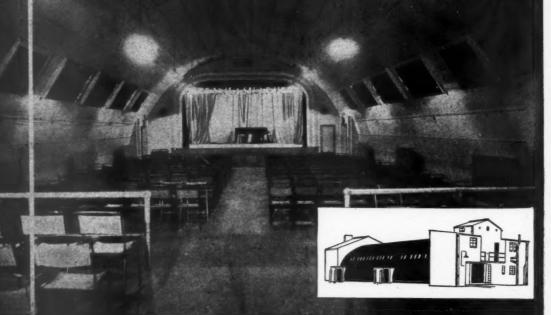
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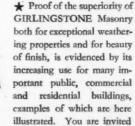


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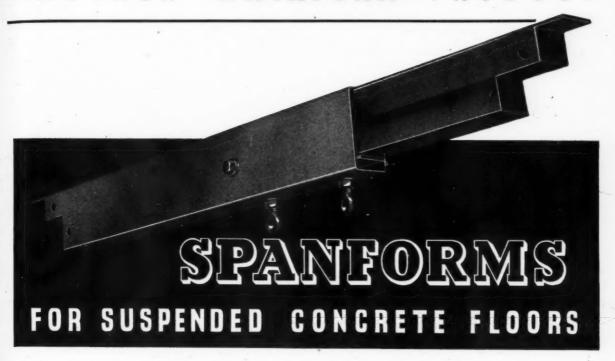
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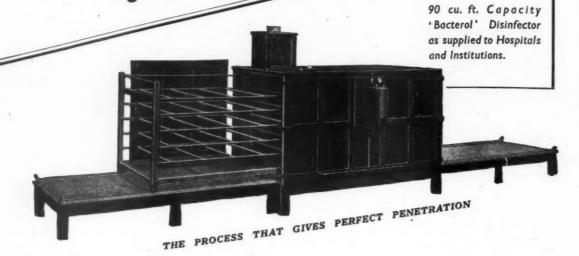
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man, (Spor AA Squar 7s. 6 AA.) In common with every other periodical this JOURNAL is rationed to a small part of its prewar needs of paper. Thus a balance has to be struck between circulation and number of pages. We regret that unless a reader is a subscriber we cannot guarantee that he will get a copy of the JOURNAL. Newsagents now cannot supply the JOURNAL except to a "firm order." Subscription rates: by post in the



order." Subscription rates: by post in the U.K. or abroad, £1 155. od. per annum. Single copies, 9d.; post free, 11d. Special numbers are included in subscription; single copies 1s. 6d.; post free, 1s. 9d. Back numbers more than 12 months old (when available), double price. Volumes can be bound complete with index, in cloth cases, for 15s. each; carriage 1s. extra. Goods advertised in the JOURNAL and made of raw material now in short supply, are not necessarily available for export.

DIARY FOR MARCH APRIL AND MAY

Titles of exhibitions, lectures and papers are printed in italics. In the case of papers and lectures the authors' names come first. Sponsors are represented by the initials as given in the glossary of abbreviations on the front cover.

BILSTON. History of the British Playhouse. At the Art Gallery. (Sponsor, the Arts Council.) Until April 16

GLASGOW. Scottish Conference on Fuel Efficiency. At Kelvin Hall. (Sponsor, Ministry of Fuel and Power, Fuel Efficiency Committee.) MAR. 27

Scottish Fuel Efficiency Exhibition. At Kelvin Hall. (Sponsor, Glasgow Corporation.) Until April 5

GLYNNEATH. Some Pictures from a At the Miners' Welfare Hall. (Sponsor, the Arts Council.)

MAR. 31-APRIL 5

LEEDS. L. S. Atkinson. Modern Electric Lift Practice. At the Leeds Corporation Electricity Department, Whitehall Road. (Sponsor, IEE, North Midland Installations Group.) 6 p.m. APRIL 1

L IVERPOOL. J. Hacking. The Generation and Wholesale Distribution of Electricity. At the Philharmonic Hall, Hope Street, Liverpool. (Sponsor, IEE, Mersey and North Wales Centre.) MAR. 27

London, Steel Door Frames. Exhibition at Henry Hope and Sons, Ltd., 17, Berners Street, W.1. The object of the exhibition is to overcome any practical difficulties that architects may foresee or experience in fitting steel door frames to the various types of walls and floors in use to-day. (Sponsor, Henry Hope and Sons, Ltd.)

MAR. onwards

Ideal Home Exhibition. At Olympia, W. (Sponsor, Daily Mail.) 10 a.m. to 10 p.m. Admission 2s. 9d. Until Mar. 29

Duplex and Extendable Houses. Exhibition at the Housing Centre, 13, Suffolk Street, Haymarket, S.W.I. (Sponsor, HC.) Until APRIL 3

Recent Paintings by Michael Ayrton and Humphrey Spender, and Original Lithographs by Bonnard, Lautrec, Vuillard. At the Redfern Gallery, 20, Cork Street, Burlington Gardens, W.1. Until April. 5

Architects to Public Authorities. Last of the talks and informal discussions on Office Organisation. At the RIBA, 66, Portland Place, W.1. The speakers will be Hubert Bennett, Architect for the West Riding of Yorkshire; D. E. E. Gibson, City Architect for Coventry; and Kenneth Campbell, Miners' Welfare Commission. Chairman, R. H. Matthew, Architect to the LCC. (Sponsor, RIBA.) 6.30 p.m. MAR. 27

AA Students' Dance. At 36, Bedford Square, W.C.1. 9 p.m. to 5 a.m. Tickets, 7s. 6d. single, 12s. 6d. double. (Sponsor, AA.) Early application for tickets should

be made to the Secretary of the AA as the numbers are limited.

MAR, 28

A. W. Hendry. Stress Distribution in Steel Portal Frame Knees. At the Institution of Structural Engineers, 11, Upper Belgrave Street, S.W.1. (Sponsor, ISE.) 6 p.m. Mar. 27

Sidney Motion. Valuation Problems
Affecting Licensed Property. At the Royal
Institution of Chartered Surveyors, 12,
Great George Street, S.W.1. (Sponsor,
RICS.) 5.30 p.m. MAR. 31

Frederick S. Snow. Shell Concrete. At the RIBA, 66, Portland Place, W.1. Synopsis: 1, History of development. 2, Tests. 3, Description of the types of construction involved. 4, Basis of design. 5, Cost comparison with other types of roofs. 6, Advantages of the system. 7, Disadvantages of the system. 8, Areas of light, insulation value, etc. 9, Worked examples for 50 ft. 0 in. span of roof. 10, Examples of works carried out in England, America and Germany. 11, Other applications of the system. 12, Suggested future developments. 13, Bibliography. (Sponsor, RIBA Architectural Science Board.) 6 p.m. Light refreshments will be provided from 5 p.m. to 6 p.m.

MANCHESTER. Drawings by F. H. Baines and W. H. Blackburn. Exhibition at the Manchester Municipal School of Art, Cavendish Street, All Saints, Manchester, 15, of a selection of sketches made by the artists in such time as they had to spare from their duties during war service in India. The exhibition was first sponsored by the Royal India Society and is substantially the same as that held in London last year. Mr. Baines was a student at the Manchester Municipal School of Art.

Until Aprilla 2

NEWCASTLE-UPON-TYNE. Danish
Domestic Design. At Laing Art
Gallery. (Sponsor, the Arts Council.)
MAR. 29-APRIL 13

ST. IVES. Designs for Ballet and Theatre by Leslie Hurry. In the New Gallery Crypt. (Sponsor, the Arts Council.) MAR. 31-APRIL 14

S UFFOLK. Five-day Tour to Study the Problems, Methods and Possibilities of Planning Social Development. The study will be based on the published Planning Survey and with the co-operation of the County Planning Officials. The head-quarters for the tour will be A. S. Neill's School, Leiston. Cost, inclusive of coach tours and lectures, 70s. Details from the Ethical Union, 4a, Inverness Place, W.2.

APRIL 8-13

NEWS

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Though no feature in the JOURNAL is without value far someone, there are often good reasons why certain news calls for special emphasis. The JOURNAL's starring system is designed to give this emphasis, but without prejudice to the unstarred items which are often no less important.

means spare a second for this, it will probably be worth it.

** means important news, for reasons which may or may not be obvious.

Any feature marked with more than two stars is very big building news indeed.

Sir Harry Selley: If we are to get production, and the building trades operative is to be offered incentive, we see no other way than through the PAY PACKET.

We are quite aware of organized labour's objection to piece-work and bonus payments, but there is the psychology of the operative himself. When one man can normally lay 200 bricks a day more than another it is farcical that they should receive the same pay. March 31 will see the end of all bonus systems and payment-by-result schemes in the industry, as both the Essential Work Order and the uniformity agreement are being withdrawn on that date. We suggest applying the Wages Council Act, 1945, to the industry. This will mean the fixing of a minimum rate for all operatives, leaving the employer to offer that extra reward which production justifies. This can have no other effect than to give the industry increased production and substantially lower labour costs. Sir Harry Selley, President of the Federation of Master Builders, was speaking at Blackpool.

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EXHIBITION OF STEEL DOOR FRAMES

and their use in actual building practice at 17 Berners Street, London, W.1

(five minutes from Oxford Circus)

From AN ARCHITECT'S Commonplace Book

THE TWO KINDS OF ARCHITECTURE: II. [From The Architecture of Bureaucracy and the Architecture of Genius, by Henry-Russell Hitchcock (The Architectural Review, January, 1947).] The distinction between the character of the operations of a leading bureaucratic organization like Kahn, Inc., and an individual practitioner of established fame like Wright is real, but can be exaggerated if applied ruthlessly to the whole architectural profession. While it would not be wise to have Kahn design your Modern Gallery—though you would doubtless get a useful structure—or Wright your aircraft plant—though you would certainly get an interesting one (eventually)—sensitive and well-trained modern architects are ordinarily capable of working (since they have usually had to do so) in both ways. But conceptually the two types of work are distinct and should not be subjected to the same type of analysis and criticism any more than the same type of analysis and criticism should be applied to a Hawksmoor church or a Soane art gallery on the one hand and to a London square or terrace of their periods on the other. Both sorts of work require technical mastery of the structural means of the day, both require skilful analysis of purpose and mastery of functional planning, both need thorough and consistent designing; but only complex individual structures of generalized symbolic meaning actually fail architecturally when there has been no individual imaginative formulation. While in the eighteenth century terrace of houses or the twentieth century factory too intense an imaginative formulation may actually lead to pretentious absurdity.

For seven years Chief Housing and Town Planning Inspector at the Ministry of Health MR. WILLIAM HENRY COLLIN, O.B.E., HAS DIED at Hemel Hempstead Hospital.

Appointed to the architectural staff of the

Hemel Hempstead Hospital. Appointed to the architectural staff of the Local Government Board in 1900, Mr. Collin served as an Architect until 1910, when he became a Housing Inspector. In 1934 he was appointed Chief Housing and Town Planning Inspector of the Ministry of Health, and served in this capacity until his retirement in September, 1941. From 1915 until 1918, he was loaned to the War Office for service with the forces in a techoffice for service with the forces in a technical capacity, and from 1919 until 1922 he acted as Deputy Housing Commissoner at the headquarters of the Ministry of Health. Mr. Collin returned from his retirement to give periods of temporary service at the Ministry and finally retired in September, 1945. A colleague writes: Probably there was no Whitehall figure more familiar to Local Government Officers than that of Bill Collin. As Chief Housing than that of Bill Collin. As Chief Housing Inspector of the Ministry of Health in the later inter-war years when the Slum Clear-ance Campaign was at its height, Bill was up and down the country holding all the most important inquiries. His knowledge and experience of housing conditions were unparalleled, and he was a leader of a team which worked very hard and very affectionately for a beloved chief. He had a gay and lively personality of great charm and had many friends not only in the Ministry but all over the country who will mourn his passing as a personal loss to themselves.

area should present a harmonious and dignified appearance, appropriate to the character of London as a metropolis and character of London as a metropolis and capital city. This development, which will ultimately extend, it is hoped, from Westminster Bridge to London Bridge, must be undertaken in sections and the Council, under powers obtained by special legislation before the war, has already acquired most of the property between Westminster Bridge, the river and Waterloo Bridge, and extending back as far as York Road. The chief projects which will accurate this area. chief projects which will occupy this area include a major group of Government offices, to be sited between Westminster and Hungerford Bridges immediately north of the Hungerford Bridges immediately north of the County Hall, a cultural centre contemplated in the County of London Plan, and a national theatre to be erected under the auspices of the Shakespeare Memorial National Theatre Committee between Hungerford and Waterloo Bridges. The proposed Government offices will be designed to house upwards of 10,000 staff. While the design of each of these projects must be appropriate to its particular function, the London County Council as Town Planning Authority is anxious to secure that the development as a whole between Westminster and Waterloo Bridges shall form a united architectural composition and the Minister of Works, whose Department will be responsible for the erection of the Government offices, is in full agreement and has undertaken to co-operate to this end. The Council accordingly proposes to appoint, in collaboration with the Minister, an architectural consultant for the develop-ment of the whole of this area. He would work in close collaboration with Mr. Matthew, the Council's Architect and Planning Officer, who is generally responsible

for advising the Council on the treatment of this and all other parts of London. He will also work in consultation with Mr. C. J. Mole, Director-General of Works, Ministry of Works, so far as the Government offices are concerned. The consultant's task will be to work out a general scheme of development into which the three major projects can be fitted and to exercise overall supervision. In particular, he will ensure that there is due consultation between the architects appointed for the execution of each of the three major elements in the scheme. It has been decided to appoint to this office, Dr. Charles Holden, HONLITT.D., F.R.I.B.A., M.T.P.I.

Negotiations are taking place between Gainsborough Urban District Council and the National Trust with the object of converling GAINSBOROUGH OLD HALL, first into a show place, and eventually into a civic centre, for the town. It is stated that the present owner, Sir Edmund Bacon, has offered the hall to the Trust, with £5,000 for repairs, and that the estimated cost of putting it in order is £8,000. It will probably be some years, however, before the necessary repairs can be begun. Records show that there has been a manor house or hall on the site of Gainsborough Old Hall for more than 1,000 years. In 1430 the manor came into the hands of Sir Thomas Burgh, who built the hall much as it stands today.

**

The LCC Town Planning Committee recommends the appointment of Dr. Charles Holden as Architectural Consultant for the redevelopment of THE SOUTH BANK OF THE THAMES.

Briefly the proposals for redevelopment are as follows: The London County Council, as Town Planning Authority, has long been interested in securing a worthy redevelopment of the South Bank of the River Thames of such a character as to ensure that the two banks in the central



Nearing completion by London trainees in the building trades, aged 14 to 18: The dining room and kitchen at the Girls' Grammar School, Plashet Grove, East Ham.



UN. Planning Commission

The United Nations' Planning Commission met in New York in February and are here seen examining preliminary models of the proposed buildings for UNO permanent headquarters. The site is in Manhattan, New York, USA. Members of the consulting board are, from left to right, Le Corbusier of France, Nicolai Bassov of the USSR, Howard Robertson of Great Britain, and Wallace K. Harrison of the USA. Mr. Harrison is chief architect.

Of the 100,000 houses in the rural districts which the rural housing subcommittee of the Central Housing Advisory Committee estimates are suitable for RECONDITIONING, about 12,000 are tied cottages, in other words they are occupied by workers under a contract of service. The Times states: In its report the committee rightly insists on the need for full reconditioning to modern standards. Reconditioning is sometimes confused with patching and repairs, but the committee sets out standards of fitness which it considers desirable and necessary. It recommends that all houses reconditioned with a grant should not only be dry and well lighted, have fixed baths, proper drainage systems and readily accessible closets, but should also conform to modern standards for new houses. Evidence received from local authorities confirms the opinion that thorough recondition-ing will provide modernized houses for about half the expenditure of labour and materials required for the same quantity of new houses. There is labour in the country-side able to do the work of reconditioning which is not available for building new houses. The small builder employing two

or three men can well undertake the careful individual work required in reconditioning, although he cannot undertake new housing contracts. It is true also that many of the craftsmen in villages are more conversant with the repair of old buildings than the erection of new. To a limited extent, some useful reconditioning of farm-workers' cottages was done under the Housing (Rural Workers) Acts. Some of the reconditioning was only partial, and below the standard that the committee recommends. To make full reconditioning practicable in every case, it is suggested that a grant should be made amounting to two-thirds of the estimated cost of the work or a maximum of £300, whichever is less, and that loans on favourable terms should be available to owners to meet their share, one-third, of the cost.

The Central Electricity Board has received from the Electricity Commissioners a further amending ELECTRICITY SCHEME FOR MID-EAST ENGLAND providing for three new generating stations with first sections each comprising an installation up to

130,000 kw. of generating plant. One is proposed to be located on the River Trent, near Keadby, and one will probably be required in the west of Yorkshire and the other in the south of Yorkshire to meet the increasing load in later years. Copies of the scheme, entitled "The Mid-East England Electricity (Alteration and Extension) Scheme, 1947," are on sale at the Stationery Office.

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Tregonnan Houses, Treyarnon Cove, near Padstow Cornwall, is TO BECOME A YOUTH Hostel. Negotiations have been completed whereby Tregonnan House, situated on Treyarnon Cove, near Padstow, Cornwall, has been accepted by the Treasury in payment of death duties on the estate of the late Mr. W. I. Gunn. It is to be handed over to the Youth Hostels Association. The house is a modern seaside residence of some 14 rooms, with two and a half acres of ground. The Chancellor decided that the most suitable recipient of Tregonnan would be the Youth Hostels Association, and he wrote to Professor G. M. Trevelyan, Master of Trinity, and chairman of the association, expressing his hope that this offer was only a beginning.

The RIBA and the Allied Societies are to keep registers of the names of architects willing to PROVIDE OFFICE EXPERIENCE for Students of Architecture. The Council of the Royal Institute has decided that registers of architects willing to take students into their offices to gain practical experience, shall be kept by the RIBA in London and by the Allied Societies in their respective areas. Members of the RIBA who are prepared to co-operate in the scheme are asked to notify the Secretary, RIBA, if their offices are in London or in an area not covered by an Allied Society of their particular area. They should state the number of such students they can accept at any one time; and if they are willing to pay any remuneration. Students wishing to avail themselves of the scheme should apply to the Secretary, RIBA, or the Secretary of the appropriate Allied Society, according to the area in which they wish to work. This scheme is separate from that announced in the RIBA Journal for October, 1946, under the heading "Facilities for Ex-Service Students," which was to help students to find temporary employment pending their admission to a Recognised School of Architecture.

The Minister of Transport proposes to set up a small technical working party to carry out short period TRIALS OF TRAFFIC SCHEMES in Central London. He suggests that it should consist of the chief engineer of the London County Council, the city engineer of Westminster, the borough engineer of St. Marylebone, the Minister's divisional road engineer, and the Commissioner of Police of the Metropolis.



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In the Entrance Porch, looking towards the street, of No. 13, Lower Regent Street, London, which has been reconstructed to accommodate the representative of the Northern Ireland Government. Both front windows and the showcases in the vestibile will be used for exhibitions of Ulster commercial products, art and literature. Ulster films for those contemplating a visit to Northern Ireland will be shown in the basement.

SYMBOLS

IN our leading article on February 13, we argued that there are certain laws of architecture that exist regardless of Style and that these laws are the essence of architectural design. We concluded that as architects we must equip ourselves with a knowledge of these laws as the basic technique without which our effort is fruitless.

It is commonplace to point to the aeroplane as the supreme example of contemporary design. It certainly is that: but not for the reasons commonly assumed. Its claim to be the apotheosis of functionalism is false. If you wish to prove that beauty to-day comes from an exact assessment of functional requirements alone, the aeroplane with its obvious derivation from bird-form is a poor example. Such a theory of beauty could only be maintained by a critic, one who had no experience of the actual processes of design, whether in architecture, engineering or anything else. Inspiration, the element of choice, must always come first.

No! the aeroplane's supremacy in the world of design is not as a pattern but as a symbol. It symbolizes modern man's vaulting ambition to leap over the confines of Space and Time. Shapes deriving from it are encountered everywhere in the folk-art of to-day. Streamlining is the generic term applied to this stylization. Here is an unmistakable symbol of the age: if our desire to meet the common man half-way is genuine, we must recognize and respect his symbols.

The fault with the streamlined-symbol is its crudity. Only a few of the achievements of science are designed to travel rapidly through air or water—although these are among the most dramatic of them. The current facile mode is to present all the equipment of modern life, when required to make it presentable, encased in a streamlined shell as nearly approaching an egg as possible. The time is coming when the stylizers will suddenly tire of designing eggs.

We must not wait for fashion to change. Let us enlist the scientist and engineer to devise with them the appropriate formal expression for each of their artifacts—form that heightens the meaning of their inventions—to humanize machinery so that the men who use it understand it better. It will be all the better as machinery, besides serving a strong emotional need in modern man to dramatize the scientific quality of the age. Architecture has a leading part to play in this movement: the scientific aspects of building should be revealed, not falsified; the dramatic appeal of successfully applied science should be stressed in architecture so that people are thrilled by the sight of powerful achievement in which they share. Make people feel proud of the works of the age: not shamefaced about them by maintaining they are not Art.

The other strong characteristic of the age is a nostalgia for the primitive, for nature, for the olden days which are felt to be less scientific and so nearer to nature. Nature-symbols in modern folk art are as evident as science-symbols.

Here then we have the modern dramatic conflict: Nature

versus Science. In presenting this drama the painters and sculptors can be our powerful allies—if not our leaders. The exquisite juxtaposition of nature-symbols and science-symbols plays a leading part in modern art, which also shows a sensitive understanding of the formal qualities of engineering objects. Architecture has not been far behind. The *Ville Radieuse* owed its emotional force to exactly this apposition and interpenetration of nature- and science-symbols. What we need to do is to see our part clearly and to play it consciously. When we enclose space we annexe a piece of nature and seek to humanize it. The architectural technique of proportion, scale, modulus is the instrument that brings the fantasy of emotion into communicable form.

The clash between nature and science is a drama in which modern man has already begun to fashion his symbols. It is our part to play this drama for him with greater artistry. The conflict may be resolved by art or it may be intensified.



The Architects' Journal

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TOPICS

THE MASTER'S VOICE

From time to time a book appears that crystallizes previously vague and indefinite ideas and for a time has the force of a manifesto and a bible. Such a book is *Towards a New Architecture* by Le Corbusier, incidentally it is interesting that in translating the title from the original French *Vers une Architecture* the immediacy of the message was tempered by the insertion of the word "New."

Architectural students in the middle twenties will remember how they car-

ried the French edition around with them, working with it under their drawing boards and sleeping with it under their pillows, and pitying these poor fellows who could not read French.

Occasionally the ignorant were allowed a peep at the illustrations. In 1927 the first English edition appeared, and Pilotis became the hallmark of the earnest student. Controversy raged, the academics had a vigorous counter attack. Now the book is recognized as a classic, to be studied by every architect who is serious in the practice of his profession, and every student who is serious in the pursuit of his studies.

Long out of print it is good to see that this fundamental work is once more available, having just appeared from the Architectural Press at a price of 15 shillings. The new edition is a facsimile of the original English edition of 1927 translated by Frederick Etchells though the page size is slightly reduced to conform with the requirements of paper economy. Some of the definition of the half-tone blocks has necessarily been lost, but this in no way detracts from the value of the book.

I am told that the Architectural Press also hopes to publish soon other books by Le Corbusier written during the war; it will be interesting to see how far the maestro's ideas have developed since 1923.

LPTB SERVICE

An unsuccessful competitor in the recent LPTB kerbside shelter competition has written, giving me one more example of that great organization's unceasing concern for all who come in contact with it, however vicariously.

His drawings were returned to him with the usual gracious letter of appreciation headed with the LPTB slogan "Courtesy Aids Service," and in the hope, presumably of preventing a possible suicide wrapped them in a copy of one of the well-known posters headed "A Good Job for You" carrying the information ... "vacancies for installers experienced in pipe fitting, etc., and labourers to work with the above grade."

THE CHAPEL AND . . .

The drawing reproduced opposite is by Raymond McGrath. It depicts the interior of the Rotunda Hospital Chapel, Dublin, and is reproduced from an admirable little study of that building by C. F. Curran [published at the Sign of the Three Candles, Dublin, 10s. 6d.]. The contrast between the exuberant baroque of the decorations-so unlikely in the church work of this time-and the serene Palladianism of the main building in which it lies concealed is certainly a remarkable one, but it is more easily understood after reading Mr. Curran's account of the personalities concerned.

The architect Richard Cassells [later succeeded by Ensor and Johnston] was a German. The stuccodore Cramillion was a Frenchman or Walloon. But the mainspring of the whole enterprise, Dr. Bartholomew Mosse, was an Irishman.

Doctors, it is fair to say, don't seem to be greatly interested in art. Maybe they are too tired, or too busy. Whatever the reason, any doctor's waiting-room is usually a physical proof that its owner is indifferent to visual values. Not so, Dr. Mosse. He appears to have been a man of remarkable talents and a wide interest in all the arts. He not only chose the best architects and decorators available for his hospital,

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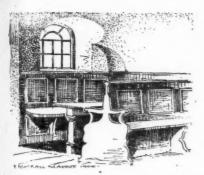
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he also founded a permanent orchestra to give concerts in the grounds, collected pictures, and was a good amateur carpenter. After reading of his interests and enterprise, the Rotunda Chapel ceases to be an architectural puzzle, and becomes a monument which vividly expresses the high spirits and good taste of the man who caused it to be built.

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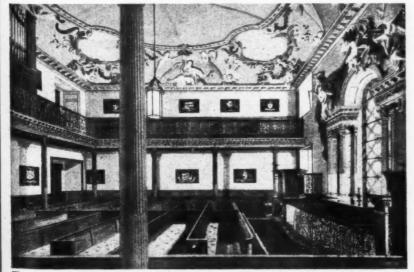
tal.

It is significant, perhaps, that a book about a chapel can be so stimulating while one about a pub can be so disheartening. Breaking—and how unwisely—my rule never to read any book which refers to an innkeeper as Mine Host—I accompanied grimly the anonymous author of *The Evolution of the English Inn* [published by Harris and Sheldon, Ltd.] on his melancholy journey from bottle-glass to Lalique, from whitewash to synthetic resin panelling, from yellow-wheeled coaches to leatherette upholstered Hillmans.

Mr. Morrall Maddox, A.R.I.B.A., the illustrator, came with us cross-hatching like mad and pursuing the author loyally down the twisting path to the inevitable climax-the modern bar parlour with its electric clock and French walnut veneer, and the modern road house with its . . . well, you know what. But Mr. Maddox, I felt, lost interest too, and his pen [by Cecil Aldin out of Sydney R. Jones] seemed happier among the inglenooks and leaded lights than between the horizontal bars and the relentlessly patterned rubber floors of the modern inn. Evidently what the brewing trade needs is another Dr. Mosse.

Two more publications have blown in. One is an enthusiastic account by Sylvia Pankhurst of Education in Ethiopia- now rapidly expanding after seven years of war and neglect-and the other is the house magazine of the Oxford School of Architecture. Much of the contents of this is dormitory talk . . . [" . . . where did Liz get that black eye? . . . who was seen climbing out of a college late at night?" etc.] ... which is of no interest outside the dormitory, but Astragal's column has recently been charged with the same offence, so I cannot, perhaps, complain of this. May I suggest to the editor, however, that future issues should contain fewer sententious essays and more drawings? And perhaps a better drawing on the cover?

ASTRAGAL



Top, the Old Shades Tavern, Thames Street, London; from The Evolution of the English Inn; produced by Harris and Sheldon; drawings by F. Morrall Maddox, A.R.I.B.A. Below the Chapel at the Rotunda Hospita!, Dublin, by Raymond McGrath, A.R.I.B.A. See Astragal's comments.



LETTERS

S. H. Wood, C.B., M.C. and Erich Hirsch

Etich Hirsch

Guy Metcalf

Dr. Ernest Fooks, D.Eng., A.R.A I,A.

Books and Periodicals Wanted for Germany

Sir.—We wish to appeal to your readers for books, pamphlets, periodicals and educational equipment for Germany. Germany has been culturally isolated for the past fourteen years, and many valuable books have been destroyed in libraries and private houses by the Nazis and by acts of war. If a stable Germany is to emerge from the present chaos it is imperative that large numbers of men and women should be trained in the shortest possible time, and this is a possibility only if sufficient educational material is available. The need for books and periodicals is desperate, particularly those dealing with educational, technical, political and economic subjects. German schools also need exercise books, pencils, chalk and other school equipment. We feel that there are many people who have a spare book or two on their bookshelves, or periodicals for which they have no further use, after having read them.

Anyone wishing to help should write to the Secretary, GER, 15, James Street, Long Acre, London, W.C.2, enclosing a tannand and addressed envelopes for details.

Anyone wishing to help should write to the Secretary, GER, 15, James Street, Long Acre. London, W.C.2, enclosing a stamped and addressed envelope, for details of the scheme which has been organised with the full approval of the Control Office for Germany and Austria. We shall be most grateful for any help in this very urgent need.

S. H. WOOD, C.B., M.C., Chairman ERICH HIRSCH, Secretary

German Educational Reconstruction

Registration

SIR,—Whilst I have not previously entered the arena over this question, I have none

TOWN LIVES AGAIN A FRENCH







In 1944 during the heavy fighting around Caen, the little Normandy town of Aunay-sur-Odon was wiped out. The top illustration shows the old town as it appears to-day. Near by, however, a new site was chosen and a new town has grown The houses, shops, and the church are temporary buildings, but life is again possible in the town of



French reconstruction is getting into its full stride, and such pre-fabricated towns as the one illustrated will be swept away by the new permanent towns and cities, many of which, designed by architects like Auguste Perret, Le Corbusier and André Lurçat, will be architectural and planning exemplars of great originality and beauty.

the less followed very closely the views expressed in your correspondents' letters.

When one has reached that delectable condition known as being "fortyish" one has very often travelled a bit, seen quite a lot and heard still more; and one has usually had several disturbing experiences. Among the most disconcerting that have come my way is the demonstrably poor taste in all things pertaining to architecture. One might almost say the standard of public taste in this connection is below zero.

I would say that, war experience or not, there can and should be only *one* criterion in this question of registration, viz: is it reasonable, having regard to the full significance of the term, to describe any particular individual as a competent architect? There should never, never be any lesser qualification.

There are few men, or women for that

matter, whose lives were not to some extent

disrupted by the war. And we must all, in-dividually, share the collective responsi-bility for such a state of affairs coming into existence. That individual experience, however unhappy, should influence the standard of judgment in this matter of registration, is on ALL counts wrong. Llandrindod GUY METCALE

Standardized Planning Technique

SIR,—I read with great interest your leading article stressing the necessity for standardization of planning technique, planning terms and planning language as time-saving and simplifying tools.

The utter lack of a recognized and, what is the control of the co

is more important, a generally applicable

technique of physical planning is being felt by all those who are actively concerned with this work. It is only 100 obvious that the absence of precise definitions of most of the planning terms such as the various density notions, leads only too often to en-tirally unjustifiable conclusions.

density notions, leads only too often to entirely unjustifiable conclusions.

In my book, X-Ray the City. The Density Diagram: Basis for Urban Planning (published 1947, Ruskin Press, Melbourne). I have tried to rectify the present chaotic conditions by defining precisely the different density terms and further to suggest a generally applicable method 12 measure population densities in urban areas.

areas.

This book was written with the aim that the suggested method might be adopted on an international scale, thus forming the basis of an integrated method of urban re search.

Victoria, Australia.

ERNEST FOOKS

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PHYSICAL PLANNING SUPPLEMENT

HOLLAND

A REVIEW OF THE POLICY
TOWARDS TOWN AND
COUNTRY PLANNING

Two examples from Holland of present-day technique in planning have been reviewed recently in these columns—Rotterdam (see M, Dec. 5, 1946) and Nijmegen (see AJ, Dec. 26, 1946). Below, the organization set up for planning in Holland is discussed by a Dutch geographer-planner, and criticised particularly from the point of view of the emphasis on the visual aspect to the detriment of the many other factors which must, of necessity, receive attention. The scheme for the planning and redevelopment of Arnhem is illustrated as a typical example of planning in Holland. Right, a map showing the devastation of war in the central area at Arnhem.

The present situation regarding town and country planning in the Netherlands is complicated and not altogether satisfactory. At the moment there are three authorities concerned with town plans. The reconstruction service has the authority to make plans for war-stricken communities, with special extra-legal powers of expropriation and re-parcelling. The previous Housing Inspectorate, now incorporated in the Housing Service, still has advisory powers regarding approval of municipal town plans and appeals against them. The Government Service for Physical Planning (the National Plan) also has powers to a certain extent to direct local and regional plans and to have them adjusted to the National Plans. All three are subordinate to the Minister of Reconstruction and Public Works. A certain amount of friction cannot be avoided, and the legal position has not yet been cleared up.

The period of occupation by the Germans has prevented the propagation of planning ideas and planning has been left with a bad name, because the Germans were also proplanning. On the whole, the demand for planning is negligible (from the public), and this allows vested interests to impede planning-to-the-full. The war also prevented exchanges of opinion amongst planners, and the spreading of ideas and knowledge, especially from abroad. There is, at the moment, a serious lack of planners, but this difficulty could be partly overcome by using the several hundreds of geographers available with a very good training, especially suited for survey-work, of whom perhaps only a dozen are now employed in this line of work.

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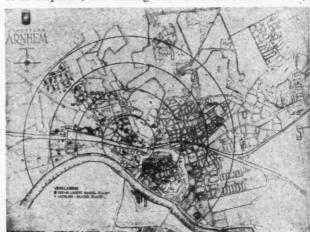
DOKS

The trouble does lie partly with the planners, however. In the Netherlands it is usual to take things seriously, and reduce everything to principles. In the field of architecture a rather fierce struggle has been going on for a long time between traditionalists and functionalists, and despite many peace-makers, the armistice has not been signed. A compromise could be more or less attainable, but the present struggle is influencing planning practice. It is not suggested that the traditionalists do not appreciate the need for a planning science, and for serious survey-work. On the whole their attitude is that town planning is primarily a visual art, and as their name suggests, their art clings to forms which may now be out of date. The functionalists, on the other hand, have disregarded psychological factors and aesthetics, although they do attempt to base their work on more social grounds. Their tendency at the moment is to become more



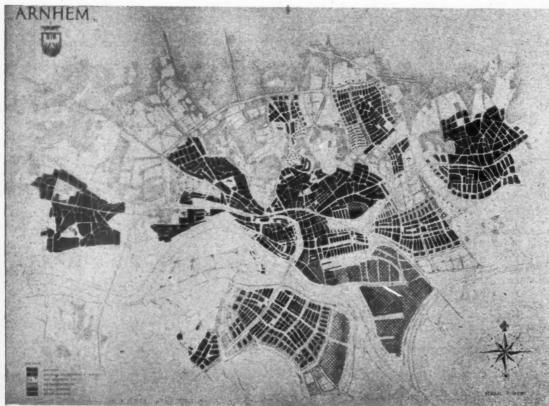
sociological functionalists than they were hitherto, and less technical functionalists.

In the planning field in the Netherlands certain deficiencies exist. The survey-work is in most cases inadequate, sometimes almost absent. The laws are out of date. Public opinion supporting planning is almost non-existent. Principles and standards are not agreed on, are lacking or inadequate. Procedure is not adjusted to modern possibili-ties. Some plans are being made for a town as a whole, most are only extension or reconstruction schemes. Future population is always taken into account, but in many cases future population will depend on decisions of the National Plan regarding the distribution of the population. The plans on the whole look too far into the future, in relation to the present unsatisfactory state of affairs. The danger exists, that although all insiders realise that the plans now being made are liable to grave alterations, these alterations will be seriously impeded by building having already taken place in a scattered way over the whole area of the plan. Roads will also have been built similarly, fixing the future pattern of development, and making alterations difficult and costly.



A survey map prepared for the Arnhem Plan showing the position of homes of the pupils in relation to an elementary school. The lesson of this map is the necessity for planning housing and school location in a close relationship.





PLAN FOR ARNHEM proposals for planning and redevelor maps clearly shows the proposed exneighbourhood unit pattern.

Above, a map of Arnhem as it existed before the War. Below, the proposals for planning and redevelopment. Comparison of the two maps clearly shows the proposed extensions, which are laid out in a neighbourhood unit pattern.



The west elevation of Block No. 1.

LCC HOUSING

AT MINERVA ESTATE, BETHNAL GREEN

GENERAL.—This is one of the first post-war schemes to employ a method of monolithic reinforced-concrete construction, developed especially for the quick and economical erection of flats by the contractors, Messrs. Holland & Hannen and Cubitts. The scheme is being carried out under the direction of the LCC Director of Housing and Valuer, Mr. Cyril H. Walker. Work on the Minerva Street site was begun in January, 1946, and the first block is now complete.

The total area of the site, including half the area of the surrounding roads, is about 7½ acres. Of this, a little over an acre has been reserved for the Community Centre

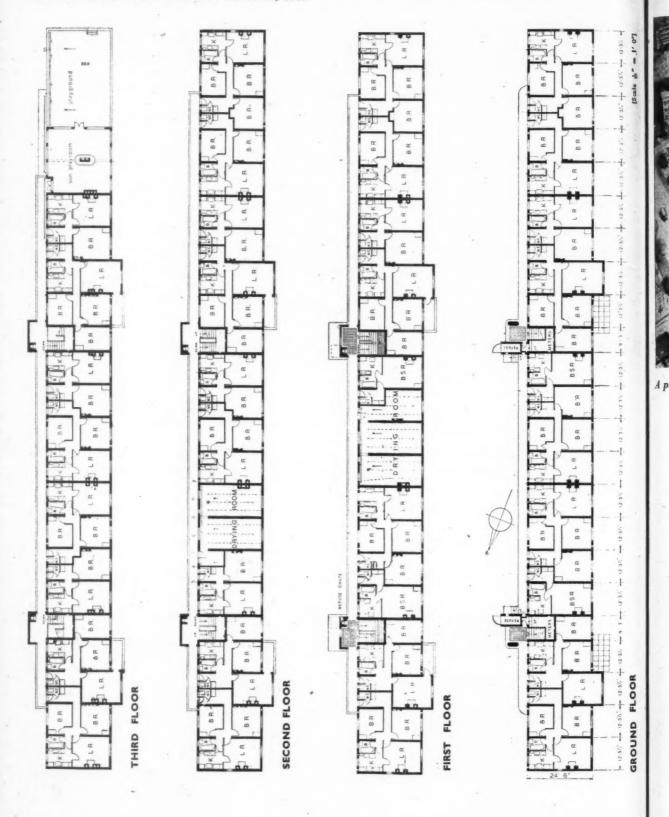
buildings and open spaces and for sites set aside for two public houses displaced by the development. Of the remaining 6 acres, 253 dwellings at a density of 42·16 dwellings per acre will provide homes for some 1,100 people.

Eight blocks of flats, each four storeys high, are sited north and south with east and west aspects for all the rooms. The buildings are grouped in pairs and face on to forecourts on one side and on to greens on the other. All the principal rooms are planned to overlook the greens. The flats are the balcony access type, served by main staircases leading from the courtyards. The accommodation in the flats ranges from

one to five rooms. Some of the larger flats have private balconies overlooking the greens. It is estimated that the work will



Block No. 1 under construction showing the location of the mixers and concrete hoists.





A perspective of the whole scheme. Block No. 1 is in the foreground.

cost £307,000 and it is proposed to let the flats at rentals comparable with those prevailing in the district for similar accommodation. The community centre buildings forming part of the complete scheme will be erected later but are not included in the present contract.

AMENITIES.—The system of refuse disposal used is LCC standard practice. A vertical pipe duct with receiving hoppers at each floor adjoining the staircases conveys refuse to mobile containers housed in dust-tight chambers at forecourt level.

Tenants have facilities for doing washing in their own flats, but communal drying rooms are available on intermediate floors of all

In six of the eight blocks roof playgrounds at third-floor level are available for children and for grown-ups for sitting out on summer evenings. Adjoining are sun playrooms with fitted blackboards and play apparatus.

Prams and cycles are stored in separate buildings in the centre of the courtyards.

Every flat has a fitted dresser, a broom cupboard, a fuel storage bunker and is fitted with wardrobe cupboards in all bedrooms.

CONSTRUCTION.—The solid concrete floors span between, and are carried by, the transverse concrete walls without the introduction of beams and columns. The ground floors consist of 4-in. thick oversite concrete reinforced with mesh. The suspended floors span between the transverse walls, and are $5\frac{1}{4}$ in. thick. The floor slab is cantilevered on one side of the block to form the access balconies. The main roof is pitched and of timber construction.

Structural walls are 7 in. thick and are poured in movable formwork consisting of interchangeable standardized members with simple bolted connections to facilitate erection and dismantling. The posts, braces and inner wallings are all standard rolled light steel sections. The external sheathing panels are of $\frac{5}{8}$ in. thick resinbonded plywood with additional stiffening members on the back. The floor decking is of metal-faced plywood panels stiffened with light steel angles.

All storeys are of equal height, and above ground floor level the concreting of each is carried out in three lifts. The height of the lifts, the fenestration and the floor levels, are carefully related and with certain exceptions the horizontal construction joints are arranged to coincide with sills and heads of openings and floor levels. To ensure good bond the concrete is grooved at these joints. The first lift on each storey extends from floor to sill level, the second from sill to underside of head and the third to the next floor level. The concreting of the floor slab,

including the cantilevered portion of the balcony, forms part of the third lift. Contraction joints, limiting the free length to about 160 ft., are incorporated in the construction above first-floor level. Here the floor slabs are carried on 3 in. by 3 in. by $\frac{1}{4}$ in. steel angles and copper strip is inserted in the external walls.

A 1 in. thick wood-wool slabbing used as permanent formwork lines the whole of the inner face of the external walls and both sides of the transverse walls. The thermal transmittance coefficient U of 7 in. concrete and 1 in. thick wood-wool lining is 0.26 which compares with 0.30 for 11-in, cavity brickwork. Two contrasting wall finishes are

Two contrasting wall finishes are used. A flush plinth extending up to the level of the ground floor sill is cast with a 1:2:4 mix concrete using a coarse aggregate of $\frac{3}{8}$ in. crushed gravel. The aggregate is exposed by brushing when the formwork is removed and the concrete is still green.

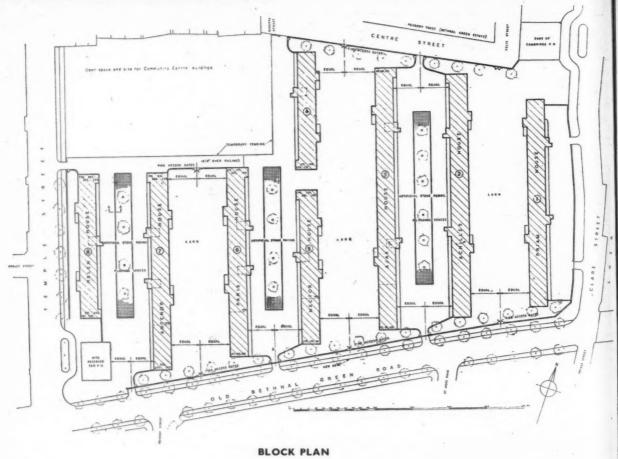
Above the plinth the buildings are faced with a special white concrete of graded Portland stone, white silica sand and white cement with a proportion of ordinary grey Portland cement added to tone the white finish to natural Portland stone colour.

The structural and facing concretes are placed simultaneously and separated during placing by a sheet steel sliding shutter.

Non-structural partitions are built off the floor slabs in 2 in. thick brick sand concrete blocks, made from crushed war debris and supplied direct by the Council. These are laid in cement mortar and tied to the structural walls by galvanized hoop iron strips that are left projecting from the concrete. When the partitions act as party structures they are of 5 in. thick cavity construction with 2 in.



Part of Block No. 1 nearing completion showing the access balconies.



leaves and a 1 in. cavity between. The chimney breasts are not an integral part of the main structure but are constructed independently and carried on the floor slab at

each storey. Steel windows are used throughout.

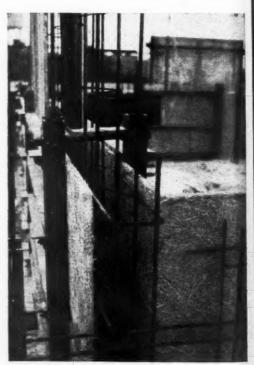
FINISHES.—Dadoes in kitchens and bathrooms are cement rendered. Concrete ceilings are generally skimmed with one coat of hard plaster. Quarry tile window sills are used throughout internally.

With the exception of kitchens, bathrooms and W.C.s all rooms have boarded floors nailed to clinker concrete. Bathrooms and W.C.s have a coloured cement sand finish, and the kitchen brown wood-filled pitch mastic flooring in thick. Playrooms are paved with wood blocks and drying rooms and balconies with asphalt laid to falls. Stairs and landings are finished in polished green granolithic concrete with buff coloured margins.

Pitched roofs are felted and covered with interlocking concrete tiles laid on battens. Parapet gutters and roof flats are covered with asphalt.

SERVICES.—Electrical conduits running in the walls are attached to the back of the wood-wool slabbing, and switch boxes, etc., inserted before the concrete is placed. Similarly, conduits running in the ceiling are fitted up on the floor slab decking before the reinforcement is fixed in position. Plumbing and other services are run on the surface, but where the pipes pass through walls or floors the necessary holes are formed during placing, and the labour and waste involved in cutting away later are avoided.

HEATING.—In all flats, the living room is heated by a solid fuel fire, the principal bedroom fitted with a gas or an electric fire and the remaining bedrooms provided with facilities for electric heating. In the first three blocks gas coppers and multi-point unit gas water heaters are fitted in the kitchens. The heater supplies the kitchen sinks, baths and lavatory basins. In the remaining blocks the kitchens are fitted with electric coppers and thermostatically controlled storage type electric water heaters.



The junction of a transverse wall with an external wall during construction, showing the reinforcement and wood-wool inner lining (used as permanent framework) before concreting.

LCC HOUSING AT MINERVA ESTATE, BETHNAL GREEN

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Speeches and lectures delivered before societies as well reports of their activities, are dealt with under this title, which includes trade associations, Government departments, Parliament and professional societies. To economize space the bodies concerned are represented by their initials, but a glossary of abbreviations will be found on the front Except where inverted commas are used, the reports are summaries, and not verbatim.

ASB

Hope Bagenal

February 5 at the RIBA. An Architectural Science Board lecture on NOISE AND THE NEW PLANNING, by Hope Bágenal, F.R.I.B.A.

We print below a summary of the remainder of the lecture, the first part of which appeared last week.

H. Bagenal: The Industrial Area: In the model clauses for the preparation of schemes under the 1932 Act noxious industries were to go into a Special Industrial Area. This zone, as in the Coventry scheme, should properly go to the NE so that smoke and smell would not be blown by the prevailing wind over the be blown by the prevailing wind over the planned areas. If woodworking shops, sheet metal works using grinders, commercial doormakers, works using large air compressors, boiler repair shops, stamping works, are not segregated, but allowed under the new town planning proposals to come into the trading states, they may cause trouble. The problem bristles with difficulties for the planner. As far as one can see, the new proposals con-siderably modify the older method of plan-ning by use-zones. The tendency will now be to arrange a larger number of smaller be to arrange a larger number of smaller industrial areas, and it will not be easy to isolate these by open spaces all round from adjoining dwellings. Many of the industrial areas will already have residential property adjoining. This can be met, where there is room, by locating new noisy industries in the centre of an industrial area and not on the margin. Or they could be placed in positions already noisy, such as near goods vards. goods yards.

Where Authorities have categories which enable them to give or withhold consent to any new industry, control is attempted by a clause giving consent "provided no objectionable noise is made." But this is hard to define, and I have been asked recently whether any kind of standard noise limit could be quoted, and the provision made

more stringent. On this I would make a suggestion as follows: that where residential property adjoins a newly scheduled industrial area, there should first be a noise survey of the marginal area to ascertain what roughly is the average existing background at external sill, both as to measured loudness and as to sensation efficiency.

NOISE SURVEYS

There are, of course, difficulties in the matter of noise surveys. There is no form of objective noise meter which gives sufficiently good argreement with the average subjective judgment over a wide variety of noises to satisfy physicists as a standard. At the same time, subjective assessments clearly have their weaknesses because different observers and different teams may vary. But, in my opinion, the pre-war work on motor horns has set an example; the noise meter then used gave a measure of agreement as between objective and subjective for that type of noise; and further re-search might extend the measure of agreement to other types of noise, and eventually to a workable standard. There is great need for consent in the matter and research would be most valuable.

RAILWAY SORTING YARDS

I have already referred to these as regional sources. In railway sectors, where there is considerable passenger regional where there is considerable passenger traffic, movements of goods occur, and the goods trains are made up, and trucks sorted, at night. This means considerable puffing of locomotives and buffer noises, which can be very loud, and can disturb to a considerable distance. They are more disturbing than heavy night road traffic (unless that includes horns). Therefore a distance that includes horns). Therefore a distance of at least half a mile is desirable. When in these sorting yards electric capstans are used, the noise of locomotives is reduced.

RAILWAYS

variable. Noise sources are variable. Many city architects in industrial regions know that tenants quickly get used to rail-way proximity. But there are limits. A steep gradient up which goods trains compulling at night is a disturber of sleep, difficult to get used to. A steel bridge is very noisy and should be marked on a neighbourhood plan. On the other hand, a slight cut-ting will screen railway noise. On an aver-age, a safe distance of 300 or 400 feet is

PLAYING CHILDREN

Here is a difficult root problem having to do with flats, houses, layouts. Acoustically it is the low level paved court that causes the trouble. Raise the court that causes the trouble. Raise the playgrounds on to the roof and there would be less trouble. But I do not mean the ordinary high railed roof space; it must be in the nature of an open air gymnasium with walls 9 ft. high having loggias, nurseries, inter-spaces, all opening to the sky, and screened as a source by the 9 ft. walls; it would be the top storey. Note that since the noise is high in pitch it would be directed upwards, and persons below would be sheltered. be sheltered.

In the new plans one often notes that each group of houses has a play park within the sectional layout—with access from back gardens. This means that noise is at the back windows, and therefore that living rooms, to be quiet, should look front.

QUIET RESIDENTIAL BLOCKS

In re-housing the population of these islands we must remember that educated (of all classes) have persons some consideration. rights and deserve some people who have much work and little sleep, there are the studious elderly, there are young people working for exams in the evening. The menace here is the barking of dogs and wireless noise from open windows in summer. How many people in this learners. people in this long-suffering class

gladly pay a little extra in rent, not for the latest equipment, but for quiet con-I suggest that in every neighbourhood unit there should be one or two quiet blocks where dogs are not permitted and some such arrangement among tenants should be provided. For ordinary suburban housing the separating of houses by placing them alternately at opposite ends of the strip sites can be arranged, and a small sector of such houses ought in my view to be provided in the new towns.

SITING OF CITY BUILDINGS

The development of urban areas in the right way might increase the comfort and reduce the nerve strain of the city worker incalculably. The principle is simple: it is to reverse the old idea that the street front is the desirable idea that the street front is the desirable aspect and instead to re-plan with as many working offices as possible on the sheltered side. It is quite astonishing how often in London a beneficial change could be made simply by interchanging room space as between general offices, directors, secretaries, board rooms, committee rooms all facing the traffic and stores, cloak rooms, staircases. tabulating rooms, vestibules, lift cases, tabulating rooms, vestibules, lift shafts, all on the quiet side. A fundamental planning change is called for. Another more fundamental change is that suggested by experts like Mr. W. A. Allen

suggested by experts like Mr. W. A. Allen and others, namely that on devastated city areas the *insulæ* or block areas should be re-built each as a whole and on the new principles of designing for light and for noise reduction combined. The principles are briefly:—Lateral penetration of light, alternating blocks, stepping back of fronts, and high narrow towers in the centre of the site. These principles will give extensive areas shaded from traffic noise or lifted above it.

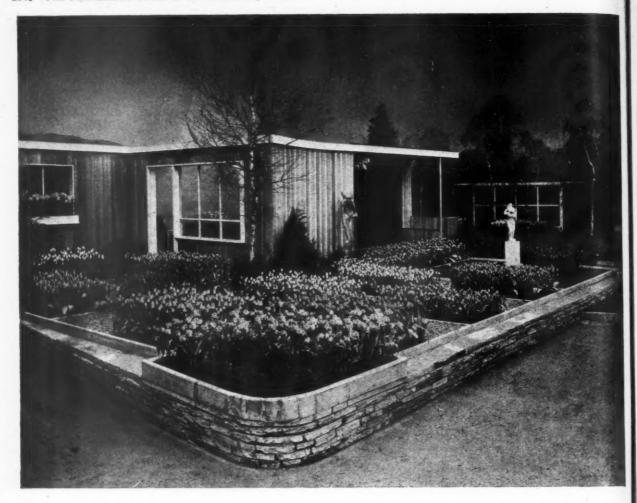
above it.

\mathbf{ABT}

esolution

Resolution on PLANNING IN LONDON passed by the Executive Committee of ABT on February 10.

The Executive Committee of the Association of Building Technicians is concerned that although the County of London Plan has laid down the framework, detailed plans for the Metropolitan Boroughs, with plans for the Metropolitan Borougns, with a few exceptions, do not exist and are not being made. We call on the LCC to hasten publication of the amendments to the County of London Plan now being made after consultations with the Local Authorities and others, including any amendments suggested by the Minister of Town and Country Planning from a consideration of the Greater London Plan. We sideration of the Greater London Plan. We believe that the detailed planning of the "communities" within the main frame-"communities" within the main framework of the County of London Plan should be done locally, in consultation with the LCC, because it is the Local Authorities which should democratically reflect the people's wishes and popularise plans of their own areas. We call on the LCC, as the Planning Authority, to initiate this process, to delegate the necessary powers to the Local Authorities for this purpose and afford them or their consultants all facilities and co-operation for the preparation of such plans, either singly, where the borough corresponds with the "community" of the London Plan, or in groups, where the communities cut across the present borough boundaries. We call on the Local Authorities to prepare such plans in co-operation with the LCC—either by appointoperation with the LCC—either by appointing town planning consultants or in appropriate cases by employing qualified staff of their own. We ask the Minister of Town and Country Planning to approve and give his authority to the principle of this



BULB GARDEN AT THE IDEAL HOME EXHIBITION

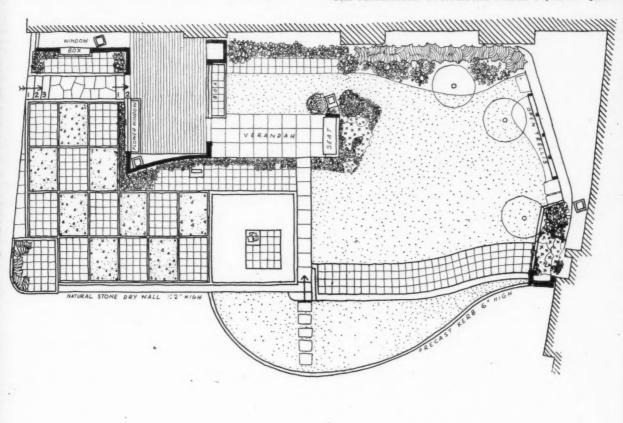
BY RICHARD SUDELL AND HARRY DURELL

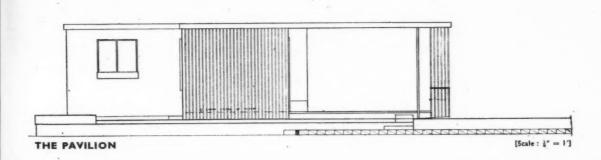
This garden was designed for Messrs. Lowis of Boston, Lincs., bulb growers, who required a display for their tulips, some being new varieties, and one new species. The exhibit which shows how these flowers may be used indoors and out, had also to include some of the more popular varieties of daffodils. The site, 66 ft. by 40 ft., was awkward, ill-lit, and with main stanchions placed diagonally across it. The scheme provides formal beds of tulips on one side, and a lawn with informally placed

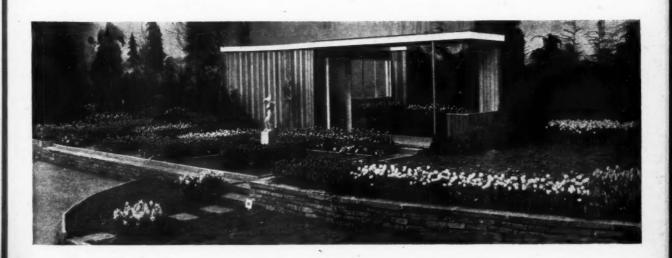
bulbs on the other. The small timber building in the centre is for office space for the sales staff, and indoor displays. A central feature between the two gardens is emphasised by an alabaster carving by Gertrude Hermes of Leda and the Swan. The same sculptor also carved the walnut figure against the building. Groups of evergreen shrubs were placed to hide some of the painted background. There is a wood screen at one end behind three weeping silver birches.

The bulbs were all grown in boxes, 10 in. square, so the whole design had to be worked out on that basis [the boxes are indicated by the small squares on the plan].

The timber pavilion is of 4 in. by 1 in. vertical cedar boards on 3 in. by 2 in. framing with plywood lining, and was made in sections. Between the formal beds of tulips the alternate rectangles were filled with granite chippings to give a clean walking space for watering the flowers and to facilitate changing the bulbs when required.







TECHNICAL SECTION

The function of this feature is to supply a digest of, and commentary on, current information of interest to architects as recorded in technical publications and statements of every kind throughout the world. Items are prepared by specialists of the highest authority who are not on the permanent staff of the Journal, and views expressed are disinterested and objective. Items are printed on one side of the paper only to permit of cutting out and pasting up in classified order in readers' files. The Editors welcome information on all developments from any source.

INFORMATION CENTRE

To enable items to be filed all information is classified under the following headings:

1 SOCIOLOGY, 2 PLANNING: General. 3 PLANNING: Regional and National. 4 PLANNING: Urban and Rural. 5 PLANNING: Public Utilities. 6 PLANNING: Social and Recreational. 7 PRACTICE. 8 SURVEYING, SPECIFICATION. 9 DESIGN: General. 10 DESIGN: General. 11 MATERIALS: General. 12 MATERIALS: Metal. 13 MATERIALS: General. 12 MATERIALS: Metal. 13 MATERIALS: Himber. 14 MATERIALS: Concrete. 15 MATERIALS: Applied Finishes, Treatments. 16 MATERIALS: Miscellaneous. 17 CONSTRUCTION: General. 18 CONSTRUCTION: Theory. 19 CONSTRUCTION: Complete Structures. 21 CONSTRUCTION: Miscellaneous. 22 SOUND INSULATION, ACOUSTICS. 23 HEATING, VENTILATION. 26 SERVICES, FITTINGS. 28 MISCELLANEOUS. 27 FURNITURE, FITTINGS. 28 MISCELLANEOUS.

3.2 planning: regional and national PLANNING IN SCOTLAND

Influences Affecting Planning in Scottish Counties with Special Reference to Small Burghs and Towns. J. S. McGavin. (J. Institution of Municipal and County Engineers, January 7, 1947, pp. 279-284.)

Paper delivered at Annual Meeting of Scottish Branch of Institution of Municipal and County Engineers, May, 1946. Written especially for engineers employed on staffs of counties or town councils engaged in work influenced by planning control. Dealing with general aspects of planning only including relation of Scottish county's planning to national planning; agricultural problems and rural areas; redistribution of industry; national park policy; social services; and village planning.

4.5 planning: urban and rural PLANNING IN CANADA

A 30-year Programme for Development: Peterborough, 1946-47. E. G. Faludi. (City Planning Committee, Peterborough, Ontario, Canada, 1946, no price.)

Illustrated booklet prepared for City Planning Exhibition, held during November, 1946. Survey of existing conditions: land; people; living conditions; livelihood; streets; parks. Statement of problems: declining residential areas; housing shortage; lack of residential areas based on neighbourhood pattern; lack of open spaces within crowded areas; shortcomings of transport system. Thirty year development programme: basic assumptions (population increase); provin-

cial and municipal enabling legislation; designation of land for zoning purposes; public works programme; transport improvements. Proposed procedure for implementation of plan. Concise and informative statement designed to attract citizens' support.

10.3 design: building types CANTEENS: PLANNING

Successful Canteen Management. J. D. Mitchell. (Practical Press, London, 1946, 7s. 6d.)

Informative handbook on canteen planning and equipment; preparation of meals; staff management; and financial control. Particularly useful data on layout of canteens based on investigations into factory organisation in connection with total strength of personnel; number of industrials and non-industrials; numbers of shifts worked; numbers in each shift; largest number to be fed on any one shift; staggering of meals; duration of meal breaks; and so on. Dining room and cooking space per person. Overall size and siting in relation to factory, Storage capacities. Schedules of cooking equipment, kitchen sundries, linen, etc., for various number of persons at one cooking Two plans of canteens, first showing cooking for 600 persons and seating 300, and second cooking and seating for 100 persons.

17.6 construction: general HOUSING IDEAS: USA

New Ideas for Building Advanced to Hasten End of Housing Crisis. (Engineering News-Record [USA], October 17, 1946, pp. 534-6)

New type of structural lightweight concrete. Thin metal sheets bonded to a core of non-scarce material, wall and floor panels made of waste products.

The National Housing Agency Technical Office (USA) is now analyzing numerous new materials and systems of construction. A promising line is the development of structural concretes weighing in the neighbourhood of 50 lb. per cu. ft. as contrasted with the usual contemporary conception of lightweight concrete as weighing about 90 to 100 lb. per cu. ft.

Wall and roof materials surveyed fall into two general classes: treated plywood, and structural panels made from substitutes for timber and plywood. A panel consisting of 2 sheets of 1 in. plywood each faced on the exterior with sheet steel about 0.01 in. thick, with a rock wool core of 2 to 3 in. provides sufficient thermal insulation for external walls. When reinforced with internal spacers the panel is said to have ample strength.

In the second of the two classes are various types of concrete panel. One interesting assembly consists of two 1 in. thick, wire mesh reinforced concrete sheets held about 2 in. apart by perforated metal channels. Some concrete panels are used with enamelled steel facing which is washable and may be obtained in various colours that will not fade. Other types of core (e.g., plastic) may also be used.

Experimental houses have been built using 0.02 in. thick aluminium sheets as facings, with an inserted vapour barrier and a cellular core of kraft paper impregnated with thermo-setting phenolic resin. Panels weigh about 1 lb. per sq. ft. Tests have proved that they have adequate strength if used in 8 ft. lengths in walls and for 12 ft. spans in roofs.

19.8 construction: details FLOORS: SLAB-BAND CONSTRUCTION

Why Slab-Band Floors are Economical. Fred N. Severud. (Engineering News-Record [USA], October 17, 1946, pp. 526-8.)

Advantages of slab-band construction as compared with traditional T-beam and flat slab construction. (See No. 1860:6.4.45, 2601:27.6.46.)

The author claims that the conception of a structure as composed of independent slabs, beams and columns is utterly fictitious. He enumerates several advantages of "slab-band" construction. A comparison of the quantities required for a floor with "slab-band" and T-beam structure respectively shows that the former is more economical.

19.9 construction: details FRAMED WALLS

Guides to Improved Framed Walls for Houses. Alan D. Freas. (Engineering News-Record [USA], October 17, 1946, pp. 519-522.)

Tests on panels of timber-frame walls for dwellings.

Tests on panels 9 ft. high × 14 ft. long were carried out at the Forest Products Laboratory. The panel frames consisted of 2 in. × 4 in. upper and lower plates and 2 in. × 4 in. studs, spaced at 16 in. centres. To these basic frames were added various types of sheathing and bracing. A horizontal load acting parallel with the length of the panel was applied at one upper corner, with the opposite lower corner bearing against a hold-back stirrup. Rigidity was measured by the load at some given movement of the upper plate with respect to the lower, generally 0.5 in. In frames sheathed with plywood glued to the frame, the stiffness was so great that loads at smaller deflections had to be used. The strength of a panel was taken as the maximum load sustained. A frame covered with square-edged horizontally placed sheathing of 1 in. × 8 in. boards, fastened with two nails at each stud crossing (without openings) has been taken as the standard of comparison.

The tests results are summarized in 7 diagrams. The effects of a diagonal arrangement of the sheathing, of the use of glued plywood, bracings, plaster, etc., various methods of fastening and the influence of seasoning have been studied. Window and door openings considerably reduce both

strength and rigidity.

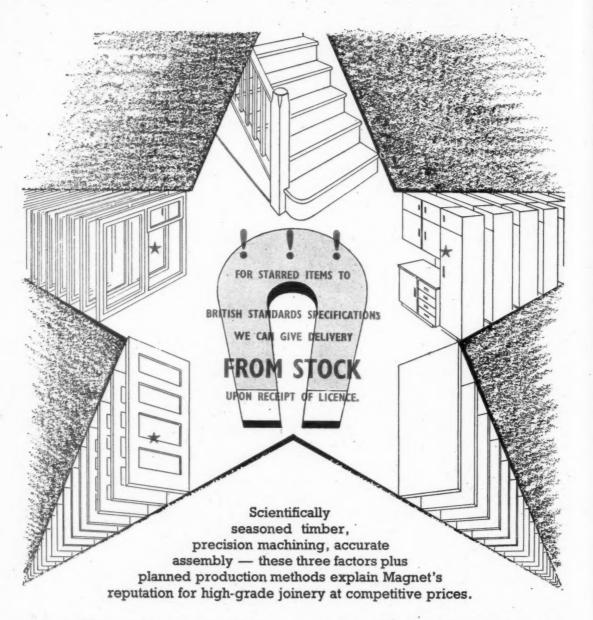
As a result of these tests, the advantages of using seasoned timber, diagonal sheathing and bracing are clear. These simple

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methods will generally reduce maintenance costs enough to outweigh the initial saving from the use of less sound construction.

20.15 construction: complete structures

HOUSING: CRAFTCAST HOUSE

The Craftcast House. (Building Digest and the National House Builder, January, 1947, pp. 3-6.)

Monolithic house in ordinary dense concrete cast in situ.

The concrete walls are 7 in. thick, reinforced with steel mesh, with an internal lining of two ½ in. thick sheets of fibre board plastered. The party wall is similar but 8 in. thick.

The first floor and roof are formed by a 5½ in. solid concrete slab. with fibre board on the underside. Both ground and first floor finish consist of wood compo laid in situ and set in bitumen. The roof is covered with a layer of mastic 1 in: thick. The main feature of the system is the formwork. The uprights are small RSJs at 2 ft. centres, connected at floor and roof levels by horizontal members of channel section. Pressed steel panels are fixed to this framework. Specially constructed shuttering is used for the 2 ft. roof overhang.

Though it may be doubted whether a 7 in.

solid concrete wall offers sufficient resistance to moisture penetration, the BRS and the Burt Committee regard this system as

satisfactory.

20.16 construction: complete structures

BRIDGE IN COMPOSITE STRUCTURE.

Welded Girder Bridge of Composite Design Carries Deck Area of Two Acres. E. W. Wendell. (Engineering News-Record [USA], December 26, 1946, pp. 856-9.)

Application of composite construction (see No. 2,769: 17.10.46.) to bridge comprising five 132 ft. spans.

22.5 sound insulation and acoustics

FACTORY NOISE EFFECTS

Acoustical Treatment in Industrial Areas. F. K. Benien and C. W. Young. (J. Acoustical Soc. Am., October, 1946, p. 453.) Treatment of factory noise and its effect upon operatives. Moderately important paper.

Acoustical treatments in factories are becoming increasingly important as the general concern for personnel increases. At one time it was generally assumed that the introduction of sound absorbents re-duced the general level of noise and that this was their main function. During the war it was found by Johine and Wilson in America that improvements were obtained by acoustical treatments regardless of whether or not the general noise level was whether or not the general noise level was reduced, and the cause was assumed to be the fact that the noise of one's own machine could be heard better; i.e., noises made elsewhere did not cause so much interference as formerly. The spread of noise was in fact reduced, and the effect was termed "the spreading effect."

The present paper summarises the results of a survey of more than thirty treated fac-

of a survey of more than thirty treated factories, and gives detailed findings concerning three treatments plus similar studies of another three plants before and after treat-

The results of the first general survey showed the following opinions to be held by the personnel affected.

(a) Labour turnover reduced and recruit-

ment improved.

(b) Comfort improved. (c) General appreciation of reduced noise (d) Irritability and nervousness reduced.

(e) Complaints reduced.

The results of detailed studies are discussed under five main headings, as

Intelligibility.-The understanding spoken directions was examined by standard methods. treatments Acoustical appeared to raise the intelligibility about 15

Comfort, well-being.—Evidence of comfort effects is limited, but all tended to general improvement, specifically by the reduction of headaches, nervous fatigue and ringing in the ears. Women appeared no more sensitive than men, but skilled workers complained of distraction by noise more than unskilled workers.

Accident reduction.—Evidence of effects very limited, but in one important comparison the accident rate per employee per month was 0.75 in treated departments and

1.26 in the untreated zones.

Localisation of sounds.—It was observed that warning sounds of trouble in machines was heard more quickly after acoustic treatment of working area.

Production efficiency.—No observed effects. (It is not clear whether this takes into account the effect of sickness absenteeism, which may be a significant factor.)

22.6 sound insulation and acoustics

NOISE FROM AEROPLANES

Noise Levels Due to an Aeroplane Passing Overhead. F. M. Wiener and R. J. Mar-quis. (J. Acoustical Soc. Am., October,

Noise level measurements, single transport aircraft, altitudes 100-500 ft. General interest.

Data concerning aircraft have an obvious place in the developing of the scientific side of town planning. A considerable number of measurements have been made, but not in any orderly attack upon the general problem. The present paper merely general problem. The present paper meter, presents noise level measurements for a single aircraft of a transport type, flying at altitudes from 100 to 500 feet, analysed according to frequency. No serious attempt is made to discuss conclusions to be drawn from the data, but they are nevertheless of interest in themselves.

23.12 heating and ventilation

GAS AND WASTE HEAT BOILERS

Gas Fired Boilers and Waste Heat Boilers (with or without Auxiliary Firing). B.S. 1307: 1946. (British Standards Institution.

Detailed test procedure and method of reporting tests on gas fired and waste heat boilers.

25.13 water supply and sanitation **INSECTICIDES: DDT**

DLT-The Synthetic Insecticide. West and G. A. Campbell. (Chapman and Hall, Ltd. 1947. 21s. 0d.)

Authoritative and detailed book on DDT designed as summary of existing knowledge. Of special interest to architects are chapters on DDT in paints and on impregnation of textiles, paper, and building surfaces. Full references to technical literature. 13 plates.

25.14 water supply and sanitation INSECTICIDES: GAMMEXANE

Recent Developments in the Domestic and Industrial Uses of "Gammexane." I. A. Mackay (The Sanitarian, February, 1947. Vol. 55, p. 164.)

Practical trials show high toxicity against flies, cockroaches, bugs, other domestic Improved application techniques, overcoming earlier disadvantages. Use of material as dusts, solutions, and toxic smokes.

26.2 services and equipment: miscellaneous

ELECTRIC COOKERS

Installation of Domestic Electric Cookers.
Draft B.S. Code of Practice, 3.6431.
(British Standards Institution, 1946. 1s.)

Types and sizes of cookers. Factors governing choice. Methods of control. Timing arrangements.

26.3 services and equipment: miscellaneous **ELECTRIC WIRING SYSTEMS**

Electric Wiring Systems (for Power, Lighting or Heating Circuits). Draft B.S. Code of Practice. 3.63. (British Standards Institution, 1946. 2s.)

Choice, installation and maintenance of wiring systems for various building types. Safety, cost, durability, and appearance. Ease of alterations to existing installations. Interference with radio. Testing.

Architects will find this a helpful Code, particularly on choice of wiring systems for small buildings where a consulting engineer is not employed.

This feature answers any question connected with building confidentially and free of charge. Questions to the Technical Editor, The Architects' Journal, 9, 11 and 13, Queen Anne's Gate, S.W.I.

OUESTIONS ANSWERS AND

2887 BUILDING RESTRICTIONS

Q I shall be pleased if you can give me details of any current publications covering restrictions on private building, regulations, control of materials, etc.

A We suggest that you obtain A Guide to Official Publications on Building, by Colin Penn, A.R.I.B.A. (see No. 72), and the following application forms and circulars, etc. The first four are obtainable from your Local Licensing Officer, Nos. 5 and 6 from the Ministries concerned, and Nos. 7 and 8 from His Majesty's Stationery Office, York House, Kingsway, London, Office, W.C.2:-

C.L. 1136A. Application for Building and/or Materials Licence.

and/or Materials Licence.
C.L. 1136B. Application for Building Licence for Small Dwellings (New Houses).
C.L. 1136c. Application for Building Licence for Rebuilding Destroyed Houses.
C.W.L. 1160. Application for Building Licence Maintenance.
Ministry of Health Circular 50/46 Con-

Licence Maintenance.

Ministry of Health Circular 50/46—Control of Civil Building.

Ministry of Works—Notes for the Guidance of Applicants for Building Licences.

Statutory Rules & Orders, 1946, No. 186,

Statutory Rules & Orders, 1946, No. 1150,

Supplies and Sergiese (Transitional Powers)

Supplies and Services (Transitional Powers)
Control of Building Operations.
You will note from the above forms the
materials which are controlled and for
which it is necessary to obtain a Licence.



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Ian Bowen discusses the continued rise in prices of building materials, suggests that the hope of early stabilisation is unlikely unless production increases, and adds a new index figure for the first quarter of 1947.

A New Index Number of Building Materials' PRICES

No. 4
[by Ian Bowen]

THE INDEX NUMBER AT FEBRUARY, 1947

The index number for the middle of the first quarter of 1947 has now been calculated. The "peace-time" weighted average of the price quotations of 44 Building Materials now stands at 189.0 (August, 1939 = 100). The Index has moved as follows since the end of the war:—

1945	Quarter	3	***	***	***	160.5
		4	***		***	164.2
1946	Quarter	1		0 = 0	0.00	167.6
		2	***	***	***	170.2
		3	***	***	***	175.8
		4				180.7
1947	Quarter	1				183.5

The figure for the fourth quarter of 1946 has been recalculated; the individual price rises given in the article of December 26, 1946, were correct, but there was an error in weighting that affected the average. On the new figures as the graph demonstrates, the rise in prices has proceeded at a fairly steady rate of 3-4 points in each quarter

since the end of the war.

The rise over the last quarter has been slightly less than three points. This may be taken as an indication that, very gradually, the increase in the index is slowing down, and in the view of some optimists this may mark the first stage towards the levelling-off of prices. But probably figures for one quarter, in the middle of a severe winter, are insufficient evidence that the steep rise in prices has yet been ended. Another quarter's results are needed to confirm, or refute, the hypothesis that a definite plateau of prices will soon be reached.

of prices will soon be reached.

In any case, the "plateau" will not be attained, if present tendencies are a guide, until the fourth quarter of this year, or until early in 1948.

Reasons for fearing that the flattening-out process will not proceed very fast are, of course, first, anticipations of the effect of the coal crisis on supply of material, secondly, the publication of a housing programme depicting a very high demand for materials in the current year, and thirdly, the fact that the Ministry of Health has already had to concede the raising of the ceiling price for houses to be built under civil licence. The reduction in the anticipated quantity of supplies, and raising of the quantity to be demanded, must represent forces working for further price increases.

The more favourable factors are twofold: first, the economies to be anticipated, in many industries, from large-scale production, and secondly, the effect on prices of cuts that may have to be made in the volume of new building work actually undertaken. It is very doubtful whether any effects are likely from the second cause this year, though the overall building programme of the next five years may have to be reconsidered; as for the first factor, it applies very much more to some industries than to others.

RISES AND FALLS OF PRICE IN THE FIRST QUARTER OF 1947

The less steep rise in prices, in the first quarter of 1947, has been due to price falls in five important building materials, falls that have no doubt been mainly due to the economies arising from larger-scale production. The five quotations affected were those for cement, plasterboard and three classes of asbestos cement goods (rainwater and soil pipes, and sheets). These five quotations declined by from 2 to 3½ per cent. between November, 1946, and February, 1947.

These falls, small as they were, represented a welcome tendency of production to offset the inflationary tendencies of an all but unlimited demand. Since no data on costs of materials (as distinct from prices) are published, it is impossible to say whether even greater reductions would have been compatible with a sufficient reward for capital in the enterprises concerned to keep them in production.

For twelve materials there were increases in price over the quarter. The steepest rises were those for lead piping (+22 per cent.), ball valves (+20 per cent.), manhole covers (+18 per cent.), taps (+15 per cent.), paints (+12 per cent.). The other materials which showed increases were sharp washed sand, patent plasters, cold and hot water tanks, and salt glazed drainnings.

The percentage rises in the first six of these materials were much steeper than the percentage fall in the five materials for which reductions occurred.

ANALYSIS OF PRICE MOVEMENTS, BY GROUPS OF MATERIALS To obtain a clearer picture of the causes

To obtain a clearer picture of the causes of the rise in building materials' prices generally, the percentage rises of different groups of materials may be compared.

Group I consists of

Group I consists of products that are mainly imported, or contain imported raw materials (timber, paint and linseed oil putty, for example).

Group II is a class of metal products, such as steel, cast-iron pipes, lead piping, bath, locks and tanks.

Group III includes all quarried products, in which the main ingredient of cost is labour and transport (gravel, ballast and sand etc.)

Group IV is a large class of clay and quarry products worked up into primary building materials, such as bricks, cement, salt-glazed pipes, sanitary ware and glass.*

The weighted average index numbers for each of these groups as compared with two

earlier dates are as follow:-

DULLINGT	merco min min	LOILO W.		
	August,	1939 = 100	August,	1945 = 100
I	2	0.88		141.0
II	2	201.5		124.9
III	1	76.5		114.8
IV		149.8		101.1
Average	a, all materials,	183.5		114.1
_				

The most interesting feature of this table is that the fourth group of commodities, the heavy manufactured materials, have risen least on the average, since the end of the war. These materials, it must be remembered, are the heavy coal users, and it might have been expected that their costs would rise considerably. Against the rising tendency of their fuel and labour costs, however, has to be set the advantages of working for a growing demand at a rate near to capacity, and the two forces have cancelled each other out.

Imported materials (Group I) still remain the chief cause of the steep rise in building materials' prices. This group has risen by no less than 41 per cent. since August, 1945, as compared with an overall average increase for the same period of only 14 per cent.

The second group (metal products) are also rising in price faster than the average. This group, like Group I, of course, embodies expensive imported raw materials, such as lead and iron ore and these industries, too, are heavy users of coal.

The third group of materials (quarried

The third group of materials (quarried products used direct) have risen in price by 15 per cent. since the end of the war. If wage-costs have risen by 10 per cent. since August, 1945, it is not quite clear why the prices of this group should have risen faster than this; special reasons may have been increased costs of transport vehicles and plant, but no data are available on this point.

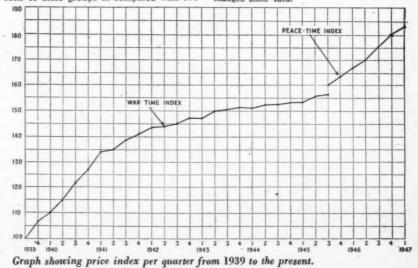
BUILDING MATERIALS' PRICES AND INFLATION

A stop to the rise in prices in particular industries must be found unless the drastic remedy of a general deflation is to be applied. Such a remedy was described as "unthinkable" on December 26 last, but since then some distinguished economists have seriously recommended its adoption.

The less severe remedy, all would agree, is increased production, and a levelling-off of particular prices.

The above analysis shows where the remedy needs to be applied. A control of import prices is needed; and a special investigation of the rise in the prices of metal products. Increased production and increased efficiency in the fourth group of industries seem to be bringing their own reward in lowered

*Roofing felt has been omitted from all the groups, as it does not fall within any of the broad classes mentioned. Its price had doubled by the end of the war and has remained unchanged since then.



The form printed below is to assist readers requiring up-to-date information on building products and services. If completed and posted to The Architects' Journal, 9, 11 and 13, Queen Anne's Gate, S.W.1, the advertisers mentioned will be asked to supply information direct.

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Announcements

Mr. Leslie E. G. Hunt, A.R.I.B.A., Chartered Architect, has opened a branch office at Market Place, North Walsham, Norfolk, and will be pleased to receive trade catalogues.

Messrs. T. Edgar Smith and Wilson,

Messrs. T. Edgar Smith and Wilson, F./A.R.I.B.A., have removed to No. 103, Bute Street, Docks, Cardiff.

Mr. A. Douglas Jones, DIP.ARCH. (Liverpool), A.R.I.B.A., Athens Bursar, Head of the Department of Architecture in the Manchester Municipal School of Art, has been appointed Head of the School of Architecture at Birmingham College of Art.

Mr. Andrew R. Flew, after 30 years' service, has resigned his position as Secretary of the Limmer and Trinidad Lake Asphalt Co., Ltd. Mr. F. C. Best, F.C.I.S., F.O.A.A., at present Chief Accountant, has been appointed Secretary of the Company.

Mr. E. Davies, A.R.I.B.A., A.M.T.P.I., of 21, Highgate, Penwortham Hill, Preston, would be pleased to receive trade catalogues and

pleased to receive trade catalogues and

technical information.

Messrs. Ascot Gas Water Heaters, Limited Head Office), has moved to 53, Park Street, London, W.1. Telephone: Grosvenor

Messrs. A. S. Parker and Allen, 30, Fore Street, Kingsbridge, South Devon, would be pleased to receive any trade literature, catalogues, Information Sheets, etc., particularly in regard to breweries, farms,

hotels, etc.
Mr. J. B. Parker has been appointed Sales Manager of the Building and Decorating Division of Cellon Limited, in succession to the late Mr. H. Bayley. During the past 12 years Mr. Parker has been in charge of the Building and Decorating Section of the firm's Midlands branch. Messrs. B. I, Callenders Cables Limited has now adopted the five-day working week

and announces that all the company's works will be closed on Saturdays. quence goods will not be despatched from or received at any of the factories, but staff will be available at all Head Offices and Branch Offices throughout the country to ensure that urgent business is not delayed and that the minimum of inconvenience is

and that the minimum of inconvenience is caused to customers and suppliers.

Mr. R. G. Martin, 72, Gainsborough Drive, Westcliff-on-Sea, Essex, returned from H.M. Forces and resuming architectural studies, will be glad to receive trade information, particularly in regard to floor finishings, plastics, and wall surface treatments, internal and external.

Buildin Illustrated

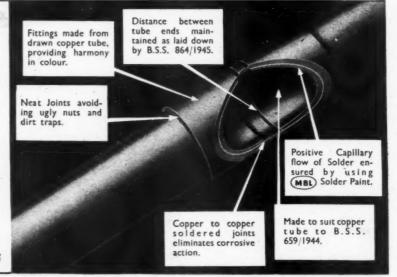
LCC Housing of Minerva Estate, Bethnal Architect: Cyril H. Walker, O.B.E., M.C., F.S.I., M.I.M. & CY.E., L.R.I.B.A., L.C.C., Director of Housing and Valuer. General Contractors: Holland & Hannen General Contractors: Robatic and Cubitts, Main Sub-Contractors: asphalte, General Asphalte Co.; electrical work and plumbing, Engineering Service plazing. Faulkner. Greene; Installations; glazing, Faulkner Greene, painting, Clark and Fenn; plastering, C Constance; scaffolding, Scaffolding (Great Britain); steel reinforcement, Rom River Co.; tiling (roof), J. J. Etridge, Jnr.; WI. gates and railings, S. W. Farmer and Son. Main Materials' Suppliers: cast stone, Malcolm McLeod; cement, Cement Marketing Co.; ironmongery, Comyn Ching; joinery, Rippers; metal windows, Crittall Manufacturing Co.; sand and shingle, Willment Bros.; woodwork, Gyproc Products.



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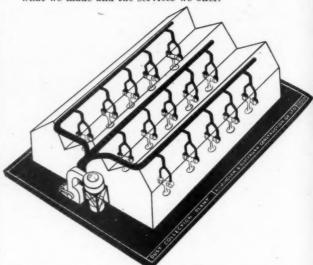
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Objects

Incorporated as a professional Centre to uphold and improve the status of Surveyors and Quantity Surveyors engaged in the Building and Allied Trades. To regulate, maintain and extend the customs and usages of the profession. To maintain and improve the high standard of professional etiquette, and to promote among its members a sense of professional solidarity. To provide for its members principles of professional procedure, a Scale of Professional Charges, and to subscribe to the Rules of Professional Conduct. To hold examinations qualifying for membership of the Faculty. To publish a monthly Journal to the general interest of the profession, and for the mutual co-operation, assistance and protection of practitioners

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The Executive Council are open to receive applications for membership on practice qualifications from Surveyors engaged in the profession, Examinations are held Bi-Annually for entrance to the Quantity Surveyors section.

Further particulars and application forms may be obtained on application to THE SECRETARY, (d).

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Example - What appliances would be needed to work this system in say a 3-bedroom house?

A-FOR SPACE HEATING

. Bedrooms

Convector gas fire (for one convector gas are (for one bedroom used as a study, or in case of sickness). Panel or hearth gas fires (for other bedrooms). Living Rooms

WINTER HEATING Gas-ignited open coke fire Gas-ignited open coke fire (see new type of grate which gives controlled heating and 6 hours burning without refuelling).

MILD WEATHER HEATING Portable gas heater.

Hall-Background gas heater (for very cold weather).

B-FOR WATER HEATING

WINTER

WATER HEATING Back Boiler behind open coke fire in living room (see above).

SUMMER OR AUXILIARY WATER HEATING Gas bath heater and sink heater or gas multipoint heater or gas circulator or gas storage heater.

C-FOR COOKING

D-FOR REFRIGERATION Gas refrigerator (all-the-year-round use).

Gas cooker (all-the-year-round use).

E-FOR HOME LAUNDRY

Gas drying cabinet. Gas iron (all-Gas wash boiler. the-year-round use).

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CLASSIFIED ADVERTISEMENTS

Advertisements should be addressed to the Advt. Manager, "The Architects' lournal." War Address: 45 The Avenue, Cheam, Surrey, and should reach there by first post on Friday morning for inclusion

in the following Thursday's paper.

Replies to Box Numbers should be addressed care of "The Architects' Journal," War Address: 45 The Avenue, Cheam,

Public and Official Announcements Six lines or under, 10s.; each additional line, 1s. 6d.

THE INCORPORATED ASSOCIATION OF ARCHITECTS AND SURVEYORS LABINTAINS A register of qualified architects and surveyors (including assistants) requiring posts, and invites applications from public authorities and private practitioners having staff vacancies. ADDRESS: 75, Barow Place, London, S.W.1. TEL SLOAME 5615. 991

PLACE, LONDON, S.W.1. TEL. SLOAME 5615. 991

LONDON COUNTY COUNCIL.
QUANTITY SURVEYORS.
Vacancies exist for Quantity Surveyors, in the
Housing and Valuation Department, for work in
connection with the development of cottage
estates and the construction of multi-storey dwellings, at consolidated salaries of up to 2700 a year,
the commencing salary in each case being determined according to qualifications and experience.
Successful candidates will be required to contribute to the Council's Superannuation and Provident Fund, and will be eligible for appointment to the Council's permanent staff and for
advancement on the occurrence of vacancies.
Duties will include:—

(a) Measurement of work in construction of
houses, roads and sewers, preparation of interim
and final bills; measurement and adjustment of
sub-contracts; preparation of cost statistics,
estimates, etc.

sub-contracts; estimates, etc.

estimates, etc.

(b) Management of housing contracts of con-siderable value; interim valuations for payments; measurement of variations and settlement of final

(b) Management of housing contracts of considerable value; interim valuations for payments; measurement of variations and settlement of final nacounts.

Forms of application may be obtained from the Director of Housing and Valuer, The County Hall, Westminster Bridge, S.E.I. (a stamped addressed foolscap envelope required). Completed forms must be returned not later than seven days after the appearance of this notice. Canvassing disqualifies. (632) 997

COUNTY BOROUGH OF SUNDERLAND.

EDUCATION COMMITTEE.

Applications are invited for the appointment of THREE JUNIOR ASSISTANT ARCHITECTS, in the Architect's Department, in accordance with National Scales of Salaries, viz.:—

A.P.T., Grade I (2330-2375), or General Grade (265-2300), according to age and qualifications. The appointments will carry a cost-of-living bonus, at present £59 19s. 3d. per annum. Applicants appointed to Grade I must have passed the Intermediate Examination of the R.I.B.A., or hold equivalent academic qualifications, unless being over 25 years of age they are not yet qualified owing to War Service.

The appointments will be subject to the provisions of the Local Government Superannation Act, 1937, and to the selected candidates passing a medical examination as required by the Council. Applications, giving full particulars, qualifications, experience, age, present and previous appointments, accompanied by copies of not more than three recent testimonials, to be addressed and appropriately endorsed to the undersigned not later than first post Tuesday, 5th April, 1947.

W. THOMPSON,

Director of Education.

Education Offices, 15, John Street,

Sunderland.

CLACTON URBAN DISTRICT COUNCIL.

Sunderland.

CLACTON URBAN DISTRICT COUNCIL.

APPOINTMENT OF ARCHITECTURAL ASSISTANT (GRADE II).

Applications are invited for the above permanent appointment, in the Engineer and Surveyor's Department, at a salary in accordance with A.P.T. Division, Grade II, of the National Joint Council's Scales, £350 per annum, rising, subject to satisfactory service, by annual increments of £15 to £405, plus cost-of-living bonus (at present £59 16s. per annum).

Preference will be given to applicants who hold the Intermediate Examination of the R.I.B.A. or equivalent.

the Intermediate Examination of the description of equivalent.

The appointment, which may be terminated by one month's written notice on either side, is subject to the provisions of the Local Government Superannuation Act, 1937, and the successful candidate will be required to pass a medical examination.

examination.

Forms of application may be obtained from Mr.

W. Aiston, A.M. Inst.C.E., Reg.Arch., Engineer and Surveyor, Town Hall, Clacton-on-Sea, and must be delivered, duly completed, and accompanied by copies of not more than three testimonials, in a plain sealed envelope endorsed.

"Architectural Assistant." to the undersigned, by not later than first post on Monday, the 31st March, 1947.

Canvassing, either directly or indirectly, will disqualify.

Canvassing, old disqualify, Dated this 10th day of March, 1947.

CHARLES B. HEARN,

Clerk of the Council.

MARSHLAND RURAL DISTRICT COUNCIL.
WISBECH RURAL DISTRICT COUNCIL.
APPOINTMENT OF ARCHITECT.
Applications are invited from duly qualified persons for the joint appointment of Architect to the two Councils, at a salary in accordance with Grade A.P.T., VII, of the National Scheme of Conditions of Service (£575 to £650 per annum), plus cost-of-living bonus (at present £59 16s. per annum).

annum).

The person appointed will not be allowed to engage in private practice, and will be required to provide and maintain a car for the purpose of his duties, for which a travelling allowance will be paid in accordance with the County Scale.

Applicants must be qualified to advise the Councils on their Housing programmes, and to prepare all plans, quantities, specifications, etc., and to supervise construction.

The appointment will be subject to the provisions of the Local Government Superanuation Act, 1937, and to one month's notice on either side.

side.

Applications, endorsed "Architect," stating age, qualifications, details of experience, together with copies of three recent testimonials, to be sent to the undersigned not later than first post on the 9th April, 1947.

Canvassing will be a disqualification.

G. HELLIER.

Council Offices, Alexandra Road,
Wisbech, Cambs.

21st March, 1947.

COUNTY ROPOUGH OF BOLTON

21st March, 1947.

COUNTY BOROUGH OF BOLTON.
Applications are invited for the following appointments, in the Borough Engineer and Surveyor's Department:—
(a) TWO ABCHITECTURAL ASSISTANTS.
A.P.T. Division, Grade IV. salary £420 to £465 per annum, plus cost-of-living honus, at present £59 19s. per annum. Applicants must be Registered Architects, and preference will be given to Associate Members of the Royal Institute of British Architects.
(b) ONE ARCHITECTURAL ASSISTANT.
A.P.T. Division, Grade III, salary £390 to £435 per annum, plus cost-of-living bonus, at present £59 19s. per annum. Applicants should have passed the Intermediate Examination of the Royal Institute of British Architects.
(c) ONE QUANTITY SURVEYING ASSISTANT. A.P.T. Division, Grade II, salary £360 to £405 per annum, plus cost-of-living bonus, at present £59 19s. per annum.
The appointments will be permanent and pensionable.
Applications, stating age, qualifications, all previous appointments.

pensionable.

Applications, stating age, qualifications, all previous appointments and experience, and copies of not more than three testimonials, should be delivered to the undersigned not later than fourteen days after the appearance of this advertisement, and the envelope endorsed "Architectural Assistant, Grade III," Architectural Assistant, Grade III," " " Quantity Surveyor, Grade III," as the case may be.

PHILIP S. RENNISON,
Town Hall, Bolton.

622

Town Hall, Bolton.

Town Hall, Bolton.

LONDON COUNTY COUNCIL.

VACANCISS FOR ARCHITECTURAL STAFF
IN THE ARCHITECTS DEPARTMENT.

Applications are invited for a number of positions in the following grades:

ARCHITECT (Grade 111), £550—£25—£700 a
year. (Professional qualifications required.)

TECHNICAL ASSISTANT. Section (A), £440—
20—£550 a year.

TECHNICAL ASSISTANT. Section (A), £440-£20-£580 a year.

TECHNICAL ASSISTANT, Section (B), up to 167s. 6d. a week.

Commencing rates will be according to qualifications and experience.

Required for work in connection with the design and erection of schools and other buildings.

A number of TECHNICAL ASSISTANTS also required for the preparation of specifications and estimates for works of cleaning and painting, war damage repairs, and alterations at schools and other buildings.

Successful candidates are required to contribute to the Council's Superannuation and Provident Fund, and will be eligible for permanent appointment and for advancement to higher positions, according to merit.

vice men and women will receive special Ex. Service men and women will receive special consideration.

Application forms may be obtained from the Architect to the Council, County Hall, Westminster Bridge, London, S.E.1, enclosing stamped addressed foolscap envelope.

Canvassing disqualifies. (299) 861

addressed foolscap envelope.

Canvassing disqualifies. (299)

BOROUGH OF EDMONTON.

ARCHITECTURAL ASSISTANTS.

Applications are invited for the appointment of Two Architectural Assistants. one permanent, one temporary, in the Borough Engineer and Surveyor's Department—Grade A.P.T., IV, of the National Scheme of Conditions of Service. Salary £440 by £15 to £485 per annum, plus bonus, £59 16s. per annum.

Candidates should be Associates of the R.I.B.A. or equivalent, and have had experience in housing and general building work.

Applications should be made on forms to be obtained from the Borough Engineer and Surveyor, Town Hall. Edmonton, N.9, and should be returned with copies of three recent testimonials to the undersigned on or before 12th April, 1947.

H. BACKHOUSE,

Town Clerk.

Town Hall, Edmonton, N.9. 18th March, 1947.

THURROCK URBAN DISTRICT COUNCIL.
ENGINEER AND SURVEYOR'S DEPT.
Applications are invited for the following

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ENGINEER AND SURVEYOR'S DEPT.
Applications are invited for the following appointments:

(a) CHIEF PLANNING ASSISTANT, at a salary in Grade V of the A.P.T. Division of the National Scale of Salaries, viz., 2460-215-2530 p.a., plus bonus, with experience in the preparation and administration of planning schemes, interim development and ribbon development control, and in planning generally.

(b) ARCHITECTURAL ASSISTANT, at a salary in Grade V of the A.P.T. Division of the National Scale of Salaries, viz., 2460-215-2510 p.a., plus bonus, with experience in the preparation of drawings, specifications and estimates in connection with building and architectural work usually undertaken by a Local Authority, and in the organisation of housing construction on a large scale.

(c) TOWN PLANNING ASSISTANT, at a salary in Grade II of the A.P.T. Division of a salary in Grade II of the A.P.T. Division at a salary in Grade II of the A.P.T. Division at a salary in Grade II of the A.P.T. Division at a salary in Grade II of the A.P.T. Division at a salary in Grade II of the A.P.T. Division at a salary in Grade II of the A.P.T. Division at a salary in Grade II of the A.P.T. Division at a salary in Grade II of the A.P.T. Division at the content of the A.P.T. Division at a salary in Grade II of the A.P.T. Division at the content of the A.P.T. Division at a salary in Grade II of the A.P.T. Division at the content of the A.P.T. Division at

on a large scale.

(c) TOWN PLANNING ASSISTANT, at a salary in Grade II of the A.P.T. Division of the National Scale of Salaries, vis., £360×£15—249, p.a., plus bonus, with experience in the examination of building and development proposals for compliance with Town and Country Planning requirements.

tion of building and development proposals for compliance with Town and Country Planning requirements.

(d) ENGINEERING ASSISTANT. at a salary in Grade I of the A.P.T. Division of the National Scale of Salaries, viz., 2330×215—2375 p.a., plus bonus, with experience in the preparation of plans, specifications, and quantities for civil engineering works.

(e) SENIOR AND COST CLERK, at a salary in the Higher Clerical Division of the National Scale of Salaries, viz., 2380 per annum × 215—2425 p.a., plus bonus, with previous Local Government costing experience.

The bonus for each appointment at present amounts to 259 l6s. per annum.

The qualifications appropriate to the appointments arc for:—

(a) and (c) Associate Membership Examination of the Town Planning Institute.

(b) Associate Examination of the Royal Institute of British Architects.

(d) Testamur, or part thereof, of the Institution of Municipal Engineers.

(e) Examination of Institute Oct and Works Accountants, or equivalent.

The Council will consider the provision of housing accommodation for the successful candidates.

The appointments are subject to the provisions

The Council will consider the provision of housing accommodation for the successful candidates.

The appointments are subject to the provisions of the Local Government Superannuation Act. 1937. Applications, stating age, qualification and experience, with copies of not more than three testimonials, appropriately endorsed, should reach the undersigned not later than first post on Tuesday, 8th April, 1947.

Canvassing will disqualify. Applicants must disclose in writing any relationship to any Member or Senior Officer of the Council.

A. E. POOLE.

Council Offices, Whitehall Lane,
Grays, Essex.

10th March, 1947.

ENGINEER AND SURVEYOR'S DEPART.

MENT.

Applications are invited for the undermentioned appointments, in the Department of the Engineer and Surveyor:—

(a) SENIOR ARCHITECTURAL ASSISTANT.

(Grade A.P.T., VYI. Salary scale, £480-£202. plus cost-of-living bonus, at present £59 16s.)

Applicants should have had considerable experience in the design and erection of general municipal architectural work and housing. Preference will be given to members of the Royal Institute of British Architects.

(b) ARCHITECTURAL ASSISTANT. (Grade A.P.T., III/IV. Salary scale, £480-£803. Applicants should have had experience in the design and erection of general municipal architectural work and housing. Preference will be given to members of the Royal Institute of British Architects.

(c) ANSISTANT QUANTITY. SURVEYOR.

(Grade A.P.T., III/IV. Salary scale, £410-£485. plus cost-of-living bonus, at present £59 16s.)

Applicants must have had experience in the preparation of bills of quantities, specifications. Setimates, and the settlement of final measurements.

(d) BUILDING INSPECTOR. (Grade A.P.T., II/III. Salary scale, £450-£455, plus cost-of-living members.

setimates, and the settlement of final measurements.

(d) BUILDING INSPECTOR. (Grade A.P.T., II/III. Salary scale. £380-£485, plus cost-of-living bonus, at present £59 16s.)

Applicants should have had practical experience of building work and a knowledge of Building Bye-laws. Possession of the Building Inspector's Certificate of the Institute of Municipal and County Engineers or similar qualification will be considered an advantage.

The appointments will be subject to the provisions of the Local Government Superannuation Act, 1937; to the passing of a suitable medical examination; to the National Joint Council Scheme of Conditions of Service, and will be terminable by one month's notice on either side. Forms of application can be obtained from the undersigned, to whom they should be returned, appropriately endorsed, not later than first post on Wednesday, 16th April.

Testimonials are not required, but candidates are requested to give the names and addresses of not more than three persons to whom reference may be made for particulars of qualifications and other maters.

H. WELLS,

Clerk of the Council.

Council Offices. Uxbridge Road, Harrow

Weald, Middlesex.

HARROGATE AND DISTRICT REGIONAL PLANNING COMMITTEE.

(a) ADMINISTRATIVE ASSISTANT, A.P.T., rade IV, £420-£465. (b) PLANNING ASSISTANT. A.P.T., Grade

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£390-£435. JUNIOR PLANNING ASSISTANT. A.P.T., (c) JUNION FIRMAN ASSISTANT. A.F.L., Grade I, £330-£375. Applications are invited for the above appointments, in the Regional Planning Office, Harro-

Applicants for posts (a) and (b) should have had experience in town and country planning, and preference will be given to applicants who are Associate Members of the Town Planning Institute or are qualified by examination in Architecture, Engineering, or Surveying. Applicants for post (c) should have had theoretical and practical training in Town and Country Planning, Architecture, Engineering, or Surveying.

Planning, Architecture, Engineering, or Surveying.

The appointments will be terminable by one month's notice on either side, and the successful candidates will be required to pass a medical examination. The appointments are subject to the provisions of the Local Government Superannuation Act, 1937, and to the National Joint Council Scheme of Conditions of Service.

Applications, stating age, qualifications, education, and experience, together with the names of three persons for reference, should be submitted to the Regional Planning Officer, Market Buildings, Market Place, Harrogate, to reach him not later than the first post on Thursday, the 3rd April 1947. A list of the duties attached to each of the above appointments will be supplied on request.

on request.

Canvassing, either directly or indirectly, will be

Canvassing, either directly or indirectly, will be a disqualification.

Candidates, when making application, must disclose in writing whether to their knowledge they are related to any member of, or the holder of any senior office under, the Regional Planning Committee.

J. M. DODDS, Honorary Clerk

Municipal Offices, Harrogate. 12th March, 1947.

Municipal Offices, Harrogate.

12th March, 1947.

EAST SUFFOLK COUNTY COUNCIL.

SENIOR ASSISTANT ARCHITECT.

Applications are invited for the post of Senior Assistant Architect, in the County Architect's Department. Salary, A.P.T., Grade VII, £575-£550 per annum, plus cost-of-living bonus, at present £59 16s, per annum. Commencing salary will be according to capabilities and experience. The duties will consist of taking charge of a section engaged on General County work (Schools excluded), and a sound knowledge of the design and construction of Police buildings. Hospitals, Housing, etc., is required.

Applicants must have had previous experience with a Local Authority; be Registered Architects, and preferably Members of the R.I.B.A.

The appointment will be subject to the provisions of the Local Government Superannuation Act, 1937; to the selected candidate passing a medical examination as required by the Council, and to one month's notice on either side.

Applications, giving full details of training, age and qualifications, together with copies of not more than three testimonials, should be sent to the Clerk of the County Council. County Hall, Ipswich.

County Hall, Ipswich.

20th March, 1947.

628

County Hall, Ipswich. 20th March, 1947.

BOROUGH OF LUTON,
BOROUGH ENGINEER'S DEPARTMENT.
TECHNICAL STAFF.
Applications are invited for the following

Applications are invited for the following appointments:—
(a) TWO SENIOR ARCHITECTURAL ASSISTANTS. Salary £535-£600.
(b) ONE ARCHITECTURAL ASSISTANT. Salary £430-£465.
(c) ONE SENIOR ENGINEERING ASSISTANT. Salary £460-£510.
(d) ONE SENIOR QUANTITY SURVEYING ASSISTANT. Salary £535-£600.
Applicants for appointments (a) and (b) must be A.R.I.B.A., and have had extensive experience in the design and construction of public buildings, schools and municipal houses. In particular, one Senior Assistant must have had recent experience in the design and development of housing schemes, and one in the design and development of new schools.
Applicants for appointment (c) should be A.M.Inst.C.E. or A.M.Inst.M.E., and have had considerable experience of municipal engineering works.

A.M. Inst.U.E. of A.M. A.M. Inst.U.E. of A.M. Inst.U.E. of A.M. A.M. Considerable experience of municipal engineering works.

Applicants for appointment (d) must have had extensive experience in quantity surveying and be P.A.S.I. or A.I.Q.S.

The appointments are all subject to the provisions of the Local Government Superannuation Act. 1937, and to temporary cost-of-living bonus, at the rate of .259 16s, per annum.

Applications, suitably endorsed, giving particulars of age, qualifications, experience, and present appointment and salary, together with copies of not more than three recent testimonials, should be delivered to the Borough Engineer, Town Hall, Luton, not later than Friday, 11th April, 1947. Canvassing will disqualify.

W. H. ROBINSON,

Town Clerk.

Luton. 6th March, 1947.

SOUTHAMPTON COUNTY BOROUGH
BOROUGH ARCHITECT'S DEPARTMENT.
Applications are invited for the following appointments:—
(1) ANSISTANT ARCHITECT (Permanent).
Grade vi, £355.£600.
(2) ANSISTANT ARCHITECT (Permanent).
Grade vi, £355.£600.
(3) ANSISTANT ARCHITECT (Permanent).
Grade iv, £460.£510.
(3) ANSISTANT ARCHITECT (Permanent).
Grade iv, £460.£465.
The above posts are subject to a cost-of-living bonus, amounting to £59 los. per annum.
The Borough Architect is responsible for all Architectural work carried out by the Council, including the housing, education and public neath programmes, and opportunity is given for varied experience, dependent on ability. Preference will be given to candidates who have passed examinations for membership of the Royal Institute of British Architects, and, in the case of the senior post, quasifications in Town Planning will be considered an advantage.
Applications, giving full particulars of age, quasifications and experience, and enclosing copies of two recent testimonials, should be sent to Denis Winston, Civic Centre, Southampton, to reach the above on or before 28th April, 1947. 629
METROPOLITAN BOROUGH OF LEWISHAM.
BOROUGH ARCHITECT'S DEPARTMENT.
Applications are invited for the following appointments, on the Council's permanent staff:—
(1) ESTIMATING SURVEYOR. Salary scale, £355, rising to £620, plus bonus (A.P.T. Division, Grade I).
(2) ARCHITECTURAL ASSISTANT, Class I. Selary scale, £350, rising to £30, plus bonus (Celerical Division),
The cost-of-living bonus, payable in addition to the above salaries, is in accordance with the recommendations of the London District Council for Local Authorities' Administrative, Professional, Technical and Clerical Services.

The appointments will be subject to (i) the provisions of the Local Government Superanuation Act, 1937; (ii) the National Scheme of Conditions of Service; (iii) the satisfactory passing of a medical examination by the successful applicants; and (iv) termination by one month's notice on either side.

Candidates for appoi

of Service; (iii) the satisfactory passing of a medical examination by the successful applicants; and (iv) termination by one month's notice on either side.

Candidates for appointment No. (1) must be capable of costing, preparing estimates, and producing interim and final accounts of public works, including the construction of houses and flats.

Candidates for appointment No. (2) must hold a recognized degree in Architecture, have passed the final (Associateship) Examination of the R.I.B.A., or hold equivalent qualifications. Preference will be given to candidates with wide housing experience, including the design and construction of multi-storey flats.

Candidates for appointment No. (3) must have had experience in costing and accounts for building and civil engineering contracts, and accustomed to progress costing.

Candidates for appointment No. (4) must be fully conversant with all types of building and civil engineering plant and materials in. a main headquarters store, and be a thoroughly experienced book-keeper.

Forms of application may be obtained from me, and should be returned, accompanied by copies of not more than three recent testimonials, addressed to me in an envelope endorsed with the name of the post applied for, and must be received not later than Monday, the 14th April, 1947.

Canvassing, either directly or indirectly, will be a disqualification.

the name of the post applied for, and must be received not later than Monday, the 14th April, 1947.

Canvassing, either directly or indirectly, will be a disqualification.

ALAN MILNER SMITH,
Town Clerk.

March, 1947.

103 NORTHAMPTONSHIRE COUNTY COUNCIL,
EDUCATION COMMITTEE.

APPOINTMENT OF CLERK OF WORKS.
Applications are invited for the appointment of Clerk of Works, for the erection of a Boys Modern School and other premises at Corby, Northamptonshire. Applicatis should have had previous experience in the supervision of buildings in course of erection and measuring up as the work proceeds.

Salary will be from £450.£500 per annum (no cost-of-living bonus payable), according to qualifications and experience. The appointment will be terminable by one month's notice on either side and, subject to satisfactory service, will be for the duration of the works. The selected candidate will be required to pass a medical examination before the appointment is confirmed. The County Council have adopted the Conditions of Service, as set out in the National Scheme, for their temporary employees.

Canvassing, either directly or indirectly, will be a disqualification.

Applications (endorsed "Clerk of Works"), stating age, qualifications and previous experience, accompanied by a copy of one recent testimonial, and the names, status and addresses of two persons to whom reference can be made, must be forwarded to the County Architect, County Hall, Northampton.

27th March, 1947.

County Hall, Northampton. 27th March, 1947.

COUNTY BOROUGH OF EAST HAM.

APPOINTMENT OF ARCHITECTURAL

ASSISTANT.

Applications are invited from qualified persons for the permanent appointment of Architectural Assistant (Grade IV) in the Borough Engineer and Surveyor's Department.

Candidates must be Associate Members of the Royal Institute of British Architects or hold an equivalent qualification, and have general knowledge and experience of architectural work.

The salary will be in accordance with Grade IV of the National Salary Scales, i.e., £420 per annum, rising by annual increments of £15 to a maximum of £465 per annum, plus London allowance (£20) and war bonus (at present £59 16s. per annum), but the commencing salary may be increased according to the qualifications and experience of the person appointed.

The appointment will be subject to the provisions of the Local Government Superannuation Act, 1937, to the Council's conditions of service for official staff in force from time to time, and the successful candidate will be required to pass a medical examination.

Applications on the form provided must be delivered to the Town Clerk, together with copies of three recent testimonials, not later than Tuesday, the \$th April, 1947.

Canvassing will disqualify.

Sgd.) H. A. EDWARDS,

Town Hall, East Ham, E.6.

March, 1947.

Town Hall, East Ham, E.6.

March, 1947.

LONDON COUNTY COUNCIL.

VACANCIES FOR PLANNING STAFF IN THE ARCHITECT'S DEPARTMENT FOR WORK ON THE COUNTY OF LONDON PLAN.

Applications are invited for a number of positions in the following grades:—

PLANNING OFFICER (Grade III), up to £700 a year.

planNing Officer (Grade III), up to £700 a year.
TECHNICAL ASSISTANT, up to £580 a year. Commencing rate of pay will be according to qualifications and experience.
There will be opportunities for competing, on merit, in due course for permanent appointment and for positions in the higher grades on the occurrence of vacancies. Successful candidates will be subject to the Council's Superannuation and Provident Fund.
The planning work involved includes assistance in the detailed development of Reconstruction Area schemes, and the preparation of revised zoning plans.
A knowledge of current town planning legislation is desirable in all cases, and candidates for Grade III positions should possess architectural or surveying or town planning qualifications.
Other things being equal, preference will be given to candidates registered under the Disabled Persons (Employment) Act, 1944, and ex-Service men and women will also receive special consideration.
Application should be made to the Architect to the Council, County Hall, Westminster Bridge, S.E.I, for forms of application (enclosing stamped addressed envelope), returnable not later than ten days from this date.

BERKSHIRE COUNTY COUNCIL.

Canvassing disqualities.

BERKSHIRE COUNTY COUNCIL.

COUNTY ARCHITECT'S DEPARTMENT.

APPOINTMENT OF TECHNICAL STAFF.

Applications are invited for the following appointments on the permanent staff:—

(a) SENIOR ASSISTANT ARCHITECT, at a salary of £460 per annum, rising by annual increments of £15 and one of £20 to a maximum of £510 per annum (A.P.T., Grade V), plus bonus.

(b) TWO ASSISTANT ARCHITECTS, at a salary of £390 per annum, rising by three annual increments of £15 to a maximum of £435 per annum (A.P.T., Grade III), plus bonus.

The cost-of-living bonus is at present £59 16s. per annum.

annum (A.P.T., Grade III), plus bonus,

The cost-of-living bonus is at present £59 les.
Per annum.

Candidates for appointment (a) should be Associate Members of the Royal Institute of British Architects, or hold an equivalent qualification, and should perferably have had experience in the type of work carried out by County Councils and be able to take charge of contracts. The possession of a car is not essential, but would be an advantage, and car allowance will be paid on the Council's scale.

Candidates for appointment (b) should be Registered Architects, with considerable experience of preparing working drawings with the minimum of supervision.

All the appointments will be subject to the Local Government Superannation Act, to one month's notice on either side, to the successful candidates passing a medical examination, and to the Council's General Conditions of Service for Administrative, Professional, Technical and Clerical Staff for the time being in force.

Other factors being equal, preference will be given to registered disabled persons.

Canvassing, directly or indirectly, will be a disqualification, and candidates when making applications must disclose in writing to the Clerk whether to their knowledge they are related to any member or senior officer of the Council.

Application forms can be obtained on receipt of a stamped addressed envelope from the County Architect, 10, Abbots Walk, Reading, to whom they should be returned completed, together with copies of three recent testimonials, on or before Tuesday, 1st April, 1947.

H. J. C. NEOBARD,

H. J. C. NEOBARD, Clerk of the Council.

Shire Hall, Reading.

CITY OF COVENTRY.

Applications are invited for the following whole-time appointments, on the perment staff of the City Architectural Department:—

(a) TWO ASSISTANT ARCHITECTS.

Salary grade, A.P.T., V. commencing at £460 per annum, and rising by two annual increments of £15 and one of £20 to £510 per annum.

Candidates should be Associate Members of the Royal Institute of British Architects, or hold equivalent qualifications. It is likely that one of these assistants would be involved in the redevelopment scheme, and planning experience would be an advantage.

(b) ONE SENIOR ASSISTANT QUANTITY SURVEYOR.

development scheme, and planning experience would be an advantage.

(b) ONE SENIOR ASSISTANT QUANTITY SURVEYOR.

Salary grade, A.P.T., V. (as above).

Candidates should be Professional Associates of the Royal Institution of Chartered Surveyors (Quantities Division).

Salary increments are subject to satisfactory service. The above salaries are exclusive of the Council's cost-of-living bonus, which may vary, but which at present amounts to 23s, per week.

The posts are subject to one month's notice on either side, and to the provisions of the Local Government Superannuation Act, as amended in regard to annuities to widows by the Coventry Corporation Act, 1936, and a satisfactory certificate will be requisite from the Council's medical referee. The successful male applicants will be required to contribute to the Coventry Municipal Officers', Widows' and Orphans' Pension Fund.

Applications must be made on the forms obtainable from the undersigned, and should be returned completed, together with copies of not more than two recent testimonials, or names of two persons to whom reference may be made, not later than Wednesday, the 16th April, 1947.

Canvassing; directly or indirectly, will be a disqualification.

D. E. GIBSON, M.A., A.R.I.B.A.,

qualification.

D. E. E. GIBSON, M.A., A.R.I.B.A.,
A.M.T.P.I.,
City Architect.

Warwick Row, Coventry, 27th March, 1947.

14. Warwick Row. Coventry.

27th March. 1947.

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COUNTY BOROUGH OF SOUTHEND-ON-SEA EDUCATION COMMITTEE.

MUNICIPAL COLLEGE.

DEPARTMENT OF ARCHITECTURE AND BUILDING.

VISITING PART-TIME DAY LECTURERS AND STUDIO MASTERS.

Applications are invited from Architects for several of these posts in this Department which is recognized by the R.I.B.A. for the Intermediate Examination.

There are 73 students in training up to the Final Stage. The hours are 9-12 and 1.30-4.30 each day, and those appointed will be required to stlend for an agreed time of one or more full days per week, and at an agreed fee, plus travelling and out-of-pocket expenses.

Applicants will be required for general duties in connection with design subjects and/or Lectures in one or more of the following subjects, Advanced Building Construction, Theory of Structures, History and Theory of Architecture, Design and Planning, Materials and Specifications, Elementary Quantities, and Professional Practice.

Applications should be made as soon as possible

Practice.

Applications should be made as soon as possible to the Principal, Municipal College, Victoria Circus, Southend-on-Sea, giving details of qualifications and professional experience, the subjects desired, and the days which can be offered for an appointment.

HOVES WATSON

H. BOYES WATSON,

Chief Education Officer.

Education Office, Warrior Square,

Southend-on-Sea. 625

Education Office, Warrior Square,

Southend-on-Sea.

COUNTY OF ESSEX.

COUNTY ARCHITECT'S DEPARTMENT.

APPOINTMENT OF ASSISTANT QUANTITY

SURVEYORS.

The Essex County Council invite applications for the appointment of a PRINCIPAL ASSISTANT, and other ASSISTANT QUANTITY SURVEYORS, in the Department of the County Architect, under the Chief Quantity Surveyor.—

(a) Principal Assistant Quantity Surveyor.—

(a) Principal Assistant Quantity Surveyor. at a commencing salary of not less than £700 nor more than £800 per annum.

Also the following posts of Assistant Quantity Surveyor, at a salaries within the scales appropriate to the various grades indicated of the A.P.T. Division in the Scheme of Conditions of Service of the National Joint Council.

(b) Grade VIII. £625-£700 (2 posts).

(c) Grade VIII. £625-£700 (2 posts).

(d) Grade VII. £555-£600 (3 posts).

(e) Grade VII. £555-£600 (3 posts).

(f) Grade III. £390-£435 (1 post).

(g) Grade V. £460-£510 (2 posts).

(h) Grade III. £390-£435 (1 post).

(g) Grade I. £330-£375 (2 posts).

The Principal Assistant Quantity Surveyor must be fully qualified and experienced, and a Professional Associate 'Quantities Sub-Division) of the Royal Institution of Chartered Surveyors.

Candidates of nosts (b), (c) and (d) above must be fully qualified and experienced, and be capable of taking off and billing quantities, measuring on site and adjusting variations, preparing statements for the issue of interim certificates, and other normal quantity surveyor;

Candidates for posts (e) and (f) should be capable of preparing interim statements, checking, abstracting and billing quantities, and for post (g) candidates should be able to show initial training and experience in a quantity surveyor's office.

In fixing the commencing salary in each case,

nce. In fixing the commencing salary in each case,

regard will be had to the experience and qualifications of the successful candidate. There will also be paid such war bonus (if any) as may be determined from time to time by the Council. The amount of bonus at present payable is 23s.

per week.

Applications must be made on a form obtainable from the County Architect, Mr. H. Conolly, F.R.I.B.A., County Hall, Chelmsford, and should be returned completed to him at the address stated below, together with copies of not more than three recent testimonials, not later than Wednesday, 9th April, 1947.

The envelope should be sealed and endorsed "Assistant Quantity Surveyor" (a), or (b) to (g), as the case may be.

s the case may be. Canvassing, either directly or indirectly, is

JOHN E. LIGHTBURN,
Clerk of the County Council.
County Hall, 'Chelmsford, Essex.
14th March, 1947. 606

14th March, 1947.

BOROUGH OF BEDDINGTON AND WALLINGTON.

APPOINTMENT OF ARCHITECTURAL ASSISTANT.

Applications are invited for the appointment of Architectural Assistant, at a salary in accordance with A.P.T., Grade IV, of the National Scales (£420-£15-£465), plus London weighting (£20) and bonus (at present £59 16s. a year). Applicants should hold the qualification of the final examination of R.I.B.A. or its equivalent. Experience is required in municipal housing schemes, flats, adaptations, estimating, and supervision of works.

schemes, flats, adaptations, estimating, and supervision of works.

The Corporation will endeavour to provide housing accommodation should the successful candidate so desire.

The appointment is subject to the provisions of the National Scheme and to one month's notice on either side.

Forms of application, which make provision for supplying the names of two referees, may be obtained from me, and on completion should be sent in envelopes endorsed "Architectural Assistant," to reach me not later than Thursday, 17th Canvassing, directly or indirectly in the control of the

Canvassing, directly or indirectly, will disqualify.

C. PETER CLARKE, Town Clerk. Town Hall, Wallington, Surrey. 25th March, 1947.

25th March, 1947.

MANCHESTER MUNICIPAL COLLEGE OF TECHNOLOGY

(FACULTY OF TECHNOLOGY IN THE UNIVERSITY OF MANCHESTER).

APPOINTMENT OF LECTURER IN QUANTITY SURVEYING.

The Governing Body invites applications for a Lectureship in Quantity Surveying, with the title and status of Lecturer in the University of Manchester.

Manchester.

Candidates should be either Fellows or Professional Associates of the Royal Institution of Chartered Surveyors, with good professional and teaching experience.

Present salary scale: £550 per annum, rising by annual increments of £20 to £725 per annum. Commencing salary according to qualifications.

Conditions of appointment and form of application may be obtained from The Registrar, College of Technology, Manchester, 1. The last day for the receipt of applications is Tuesday, 18th April, 1947.

Canvassing, either directly or indirectly, will

April, 1947.
Canvassing, either directly or indirectly, will disqualify a candidate for appointment.

J. E. MYERS.

Principal of the College.

HAYES AND HARLINGTON URBAN
DISTRICT COUNCIL.
Applications are invited for the following appointments, in the Engineer and Surveyor's Department
SENIOR ARCHITECTURAL ASSISTANT.
Candidates must have experience in the design and supervision of Architectural works carried out by Local Authorities, and be competent to prepare drawings, specifications, estimates of cost. etc. A knowledge of Government Circulars and procedure as applicable to municipal building work will be considered an advantage. Salary in accordance with Grade A.P.T., IV, of the National Scheme of Conditions of Service. commencing at £420 per annum, rising by annual increments of £15 to a maximum of £465 per annum, plus £20 "London weighting," plus cost-of-living bonus, which is at present at the rate of 25s. per week.
GRADUATE ENGINEERING ASSISTANT.

GRADUATE ENGINEERING ASSISTANT.
Applications are invited from the holders of an Engineering Degree who are desirous of obtaining practical engineering training at a salary in accordance with Grade Miscellaneous I of the Mational Scheme of Conditions of Service, commencing at £255 per annum, and rising by annual increments of £15 to a maximum of £300 per annum, plus £300 "London weighting," plus costorliving bonus, at present at the rate of £35, per annum, plus £300 "London weighting," plus costorliving bonus, at present at the rate of £35, per week. In the first instance the appointment will be for a probationary period of not less than three and not more than six months, and any training arrangements would be dependent upon the satisfactory service during that probationary period of the person appointed and to the acceptance of his Degree by the Standing Joint Committee of the Institutions of Civil Engineers and of Municipal Engineers.
Applications for the above appointments, on forms which may be obtained from the Engineer and Surveyor, Town Hall, Hayes, Middlesex, on GRADUATE ENGINEERING ASSISTANT

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receipt of a stamped addressed envelope, must be received by the undersigned not later than 8th April, 1947.
Canvassing, directly or indirectly, will be a disqualification, and applicants must disclose in writing when making their application, whether they are related to any member of, or holder of any senior office under the Council.

Dated this 20th day of March, 1947.

A. E. HIGGINS.

Town Hall, Hayes, Middlesex.

CITY OF PLYMOUTH.

CITY OF PLYMOUTH.
CITY ARCHITECT'S DEPARTMENT.
Applications are invited for the following appointments on the Permanent Staff, which are subject to the Local Government Superannation Act, 1937, a satisfactory medical examination, and one month's notice on either side for termination.

mination.**
The salary scale is that of the A.P. and T.
Division of the National Scheme of Conditions
of Service, and is subject to the addition of costof-living bonus, at present £59 lbs, per annum.
(a) TWO ASSISTANT ARCHITECTS. Grade

of-living bonus, at present of the composition of t

E. G. CATCHPOLE, A.R.I.B.A.,
City Architect's Department, Weston
Lodge, Seymour Road, Plymouth.

MANCHESTER MUNICIPAL COLLEGE OF
TECHNOLOGY
(FACULTY OF TECHNOLOGY IN THE UNIVERSITY OF MANCHESTER).

APPOINTMENT OF ASSISTANT LECTURER
IN BUILDING.
The Governing Body invites applications for
the Assistant Lectureship in Building, with the
title and status of Assistant Lecturer in the
University of Manchester.
Candidates should be Associates of the Royal
Institute of British Architects, with good professional experience.
Salary scale: £420 per annum, rising by annual
increments of £20 to £500 per annum. Commencing salary according to qualifications.
Conditions of appointment and form of application may be obtained from The Registrar, College
of Technology, Manchester, 1. The last day for
the receipt of applications is Tuesday, 15th April,
1947.
Canvassing, either directly or indirectly, will the receipt of applications of the control of the Canvassing, either directly or indirectly, will disqualify a candidate for appointment.

J. E. MYERS,

Principal of the College.
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CORPORATION OF LONDON.
CITY SURVEYOR'S OFFICE.

APPOINTMENT OF TECHNICAL STAFF.
Applications are invited for the following appointments in the City Surveyor's Office:

ARCHITECTURAL ASSISTANTS.
Salary £450, inclusive of consolidated bonus.
Applicants should either have qualified or be about to qualify for Associate Membership of the Royal Institute of British Architects, or Associate Membership of the Royal Institution of Chartered Surveyors (Building Sub-division).
The appointments are for the present on a temporary basis, and will be concerned principally with the reinstatement of war damage to a variety of types of properties. There will be a possibility of establishment for suitable men, and temporary service will count for the purpose of superannuation. Such appointments will be subject to the provisions of the Local Government Superannuation Act, 1937, and applicants will be required to pass a medical examination.
Previous experience with a Municipal body is not essential.

Applications, endorsed "Technical Staff," to be made to George Holliday, F.S.I., The City Surveyor, 55-61, Moorgate, E.C.2, giving the following particulars: Service with Armed Forces, age, qualifications or intentions in connection therewith, previous training, positions and experience, date when available to commence duties if selected, together with copies of two testimonials.

ASSISTANT QUANTITY SURVEYORS.

MINERS' WELFARE COMMISSION.

MINERS' WELFARE COMMISSION.

ASSISTANT QUANTITY SURVEYORS.
Applications are invited for appointments of Assistant Quantity Surveyors (a) in London, at a salary between £490×£25-£740 (inclusive of consolidated addition), and (b) in South Wales, at a salary between £471×£25-£725 (inclusive of consolidated addition).

Applicants should be Associates of the R.I.C.S. and be able to "take off" quantities from drawings, prepare approximate estimates and final accounts, and to write specifications and reports.

Commencing salary will depend on age, qualifications and experience.

Staff Pension Scheme after one year's satisfactory service.

Application forms obtainable from Miners' Welfare Commission, Ashley Court, Ashlead, Surrey.

DERBYSHIRE COUNTY COUNCIL.
COUNTY ARCHITECT'S DEPARTMENT.
Applications are invited for the undermentioned appointments on the permanent staff.
Conditions of service and salaries are in accordance with the National Joint Council Scheme for Local Authorities, as adopted by the County

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(a) ASSISTANT ARCHITECTS. Grade VI.

(b) ASSISTANT ARCHITECT. Grade V.

(c) ASSISTANT ARCHITECT. Grade V.

(c) ASSISTANT ARCHITECTS. Grade IV.

Applicants should have had experience in the design and construction of modern buildings and for appointments (a) and (b) must be fully qualified.

(d) ARCHITECTURAL ASSISTANTS. Grade III.

III.

(e) ARCHITECTURAL ASSISTANT. Grade II.

(f) ARCHITECTURAL ASSISTANTS. Grade I.

(g) ARCHITECTURAL ASSISTANTS. Miscellaneous Division, Grade I.

Applicants to have had a good general architectural experience and to be first-class draughts-

men.

(h) QUANTITY SURVEYOR. Grade V.
Applicants should be qualified and have had experience in taking off quantities for all trades, measuring up, and preparing final accounts.

(i) ASSISTANT SURVEYOR. Grade V.
Applicants should be fully qualified in the preparation of estimates for all classes of building work, and should have had experience in measuring up for and the preparation of final accounts.

In addition to the salaries payable under the respective Grades, a cost-of-living bonus, at present £59 16s. per annum, is payable in each Applicants must state in their annitications.

present £59 l6s. per annum, is payable in each case.

Applicants must state in their applications whether or not they are related to any member of the Council or to the head of a department under the Council. Canvassing of members of the Council, directly or indirectly, will be a disqualification for appointment.

The appointments will be subject to one month's notice on either side, and to the provisions of the Local Government Superannuation Act, 1937, and the successful applicants will be required to pass a medical examination.

Applications, stating age, present position and salary, qualifications and previous experience, accompanied by copies of three recent testimonials, should reach the undersigned not later than 5th April, 1947.

Envelopes and applications must be endorsed, stating clearly the vacancy for which the application is made.

F. HAMER CROSSLEY, Dipl.Arch...

F. HAMER CROSSLEY, Dipl.Arch., A.R.I.B.A., County Architect.

27th March, 1947.

EAST ELLOE RURAL DISTRICT COUNCIL.

APPOINTMENT OF ARCHITECT.

Applications are invited from duly qualified persons for the permanent appointment of Architect to the Council, at a salary within Grade V of the A.P.T. Division of the National Scheme of Conditions of Service (2460 per annum, rising to £510 per annum), plus cost-of-living bonus, at present £59 16s, per annum.

The person appointed will not be allowed to engage in private practice, and will be required to devote the whole of his time to the duties of his office. He will be required to provide and maintain a car for the purposes of his duties, for which a travelling allowance will be paid in accordance with the County Council Scale.

Applicants must be qualified to advise the Council on their post-war housing programme, and to prepare all plans, quantities, specifications, estimates, etc., and to supervise construction. The appointment will be subject to:—

(a) The National Scheme of Conditions of Service.

(b) The provisions of the Local Government

(a) The National Scheme of Conditions of Service.

(b) The Provisions of the Local Government Superannuation Act, 1937.

(c) The successful applicant passing a medical examination.

(d) Termination by one month's notice on either side.

Candidates should state in their applications whether or not they are related to any member or senior official of the Council, and canvassing in any form will disqualify.

Applications, endorsed "Architect," stating age, qualifications, and details of experience, and accompanied by copies of three recent testimonials, to be delivered to the undersigned not later than 7th April, 1947.

J. C. PYWELL,

Council Offices, Holbeach, Spalding,

Lincolnshire.

CITY OF PORTSMOUTH.

CITY OF PORTSMOUTH.

Lincolnshire. 622

CITY OF PORTSMOUTH.
CITY PLANNING OFFICER'S DEPT.
Applications are invited for the following permanent appointments, in the Department of the City Planning Officer.
PLANNING ASSISTANT—Grade V (2).
Applicants must have a knowledge of the practice and technique of planning under the current legislation, and must be competent draughtsmen. The salary is Grade V of the National Scale of Salaries, namely, £460-£510 per annum, and preference will be given to holders of appropriate professional qualifications.
The appointment will be subject to the provisions of the Local Government Superannustion Act, 1937, and the successful applicants will be

required to pass a medical examination. The appointments are subject to the National Scheme of Conditions of Service, and salaries are supplemented by cost-of-living bonus at the present time. Applications, stating age, qualifications, experience, together with the names of three responsible persons to whom reference may be made, must be delivered to the undersigned, clearly marked "City Planning Appointment," not later than the 14th April, 1947.

Canvassing will disqualify.

V. BLANCHARD,

Town Clerk.

City Council Chambers, 1, Clarence

City Council Chambers, 1, Clarence Parade, Southsea. 13th March, 1947.

Parade, Southsea.

13th March, 1947.

CITY OF MANCHESTER.

CITY ARCHITECT'S DEPARTMENT.

Applications are invited for the following permanent appointments:—

THREE ASSISTANT ARCHITECTS. Basic salary, £460 per annum × 15 to £510, plus cost-of-living bonus, at present £60 per annum.

Candidates should be Associates of the Royal Institute of British Architects, and have had a thorough training in design and construction, preferably at a School of Architecture, and be experienced in the preparation of sketch plans, working drawings, and details.

The appointments are in the Education Section of the City Architect's Department, and the staff appointed will be engaged upon designs and working drawings of several new schools in light permanent construction, and also the remodelling of existing schools.

TWO ASSISTANT QUANTITY SURVEYORS. Basic salary, £460 per annum × £15 to £510, plus cost-of-living bonus, at present £50 per annum.

annum

plus cost-of-living bonus, at present 200 per annum.

Candidates should be P.A.S.I. (Quantities Division), and have had considerable experience in the preparation of bills of quantities, estimates, valuations, and the settlement of accounts.

The successful candidates will be required to pass a medical examination before the appointment is confirmed, and to contribute to the Corporation's Superannuation Fund, and to execute the Corporation's Deed of Service.

Applications must be made on the official form, which can be obtained at my office, and must be returned (together with not more than three recent testimonials) to me—and not to any members of the Council—by Monday, 14th April, 1947, endorsed for the appropriate appointment. Canvassing in any form, oral or written, direct or indirect, is prohibited, and will be regarded as a disqualification.

PHILIP B. DINGLE,

PHILIP B. DINGLE, Town Clerk.

Town Hall, Manchester, 2. March, 1947.

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APPLICATIONS are invited by the Co-operaments as ASSISTANT ARCHITECTS; applicants should be good draughtsmen, with a sound knowledge of general construction, and experience in commercial and industrial work will be an advantage; salary up to £500 per annum according to qualifications (plus cost-of-living bonus); good prospects of promotion for competent assistants; successful candidates will be required to pass a medical examination for entry into compulsory superannuation scheme. Applications, stating educational qualifications and experience, to be addressed to the C.W.S., Ltd., Architect's Dept., 1, Balloon Street, Manchester, 4.

Dept., 1, Balloon Street, Manchester, 4. 953

AN ARCHITECTURAL ASSISTANT, aged concern in the Manchester district; applicants must be capable of preparing from sketch plans, working drawings, details and specifications, supervising work during progress, measuring up for final accounts; the position offers good prospects and interesting work to a keen and capable assistant; experience of industrial building work essential; applications should be made in own handwriting, giving details of experience, training, qualifications, and salary required. Box 518.

A RCHITECT'S ASSISTANTS, R.I.B.A. Final or Intermediate standard, required in expanding country practice (present staff of six), for working up and taking charge of good class domestic, including alterations and restorations, farm buildings and layouts, and R.D.C. (village) housing; state age, experience, and when free: housing; sate age, experience, and when free; salary, £4/£10 per week, according to ability. G. Forsyth Lawson, L.R.I.B.A., 25a, High Street. Banbury, Oxfordshire.

ARCHITECTURAL ASSISTANT required immediately in S.E. Kent practice; R.I.B.A. Inter, standard; permanent position for the right man, with goed salary by arrangement, according to experience. Box 563.

BUILDING SURVEYOR, good draughtsman, required for housing work; war damage experience desirable. Vigers & Co., 4, Frederick's Place, E.C.2.

SENIOR and JUNIOR ASSISTANTS required for general practice in the town of Cardigan. State age, experience, and salary required, to Howard Williams & Partners, 2, St. Andrews Place, Cardiff. 590

Place, Cardiff.

A RCHITECTURAL ASSISTANT, with energy, initiative, and all round experience, wanted by young City Firm. Apply, stating experience and salary required, Box 601.

JUNIOR ARCHITECTURAL ASSISTANT required for London office; previous experience and a good standard of draughtsmanship necessary. State age, details of experience, and salary required, to Box 608.

SENIOR ARCHITECTURAL ASSISTANT required by firm of Architects in Manchester; applicants must be capable of preparing from sketch plans working drawings; sound knowledge of construction, and able to supervise works in progress; knowledge of schools and University buildings an advantage; salary, p.a., £460 to £550, according to qualifications. Box 614.

A RCHITECT'S ASSISTANT, Intermediate A standard, required immediately in rapidly developing Architectural department. State training, qualifications, experience, and salary required, to Marcus Leaver & Co., 46, Brook Street, London, W.1.

MINERS' Welfare Commission Architects' Department requires ASSISTANTS; salary range, £328-£540 p.a., according to age, architectural qualifications and experience; vacancies in London and Provinces, but mainly London; staff pension scheme after one year's satisfactory service. Application forms from Establishment Section, Miners' Welfare Commission, Ashley Court, Ashtead, Surrey.

ARCHITECT'S ASSISTANT required, in a London Brewery Co.'s Architects' Department; capable of dealing with dilapidations and war damage repairs. Apply, stating age, salary required, to Box 617.

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A RCHITECT, registered and qualified, required for leading position with a new firm specialising in industrial work; applicants should be between 28 and 38 years, have had good experience, and be prepared to engage junior staff, and accept responsibility for all technical work. Write, giving full particulars of experience, age, etc., in confidence, to Box 621.

CLERK OF WORKS required immediately for approximately 12 months to supervise construction of Factory in Central Birmingham; salary by agreement. Box 623.

TWO ASSISTANT ARCHITECTS and one ARCHITECTS ASSISTANT required for the office of staff architect to large contracting organization; large variety of work; salary up to £650 p.a. (plus bonds), according to qualifications and experience. Box 626.

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A RCHITECTURAL DRAUGHTSMAN, experienced in design and supervision of construction of commercial and industrial properties; knowledge of war damage claim procedure desirable; age 25/35 years; salary £430 per annum, with permanency and scope for advancement. Write Box 631.

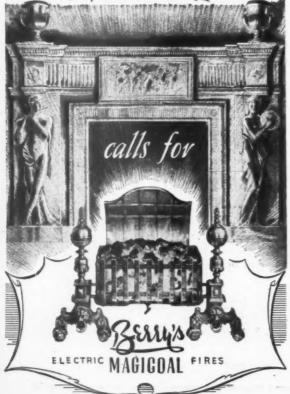
COUNTRY Practice in Suffolk has vacancy for fully qualified ASSISTANT ARCHITECT, from 14th April next, with prospect of eventual Partnership; age 30-35; salary £400 to £520 per annum, according to qualifications; own car an asset.

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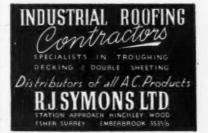
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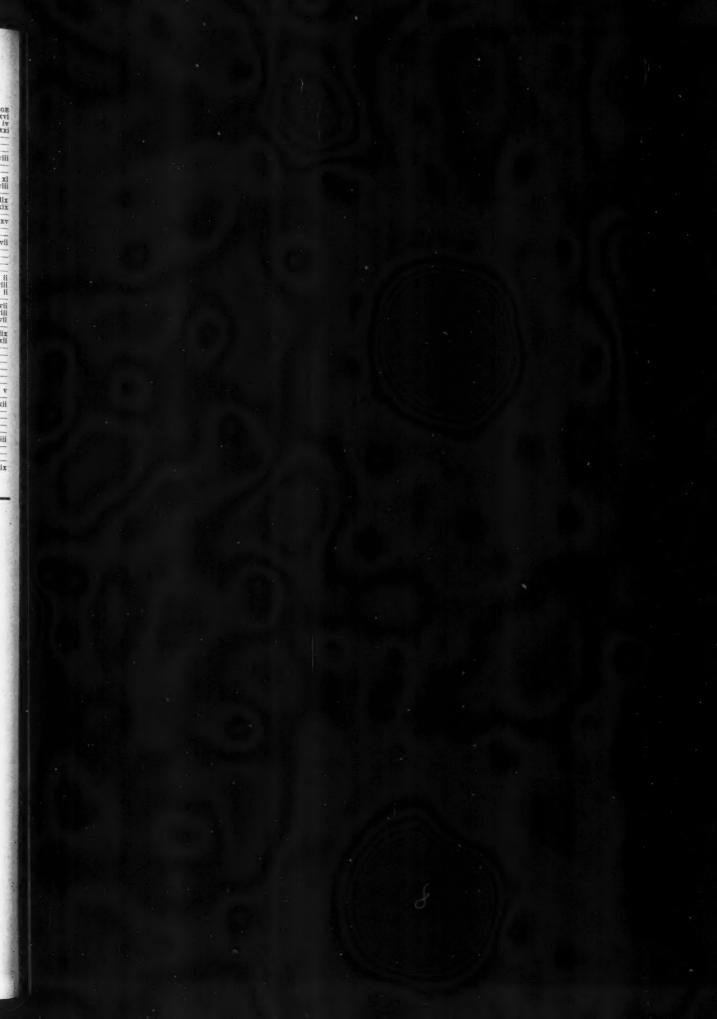
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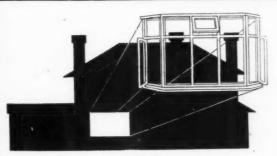
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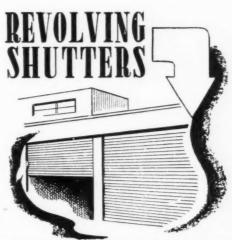
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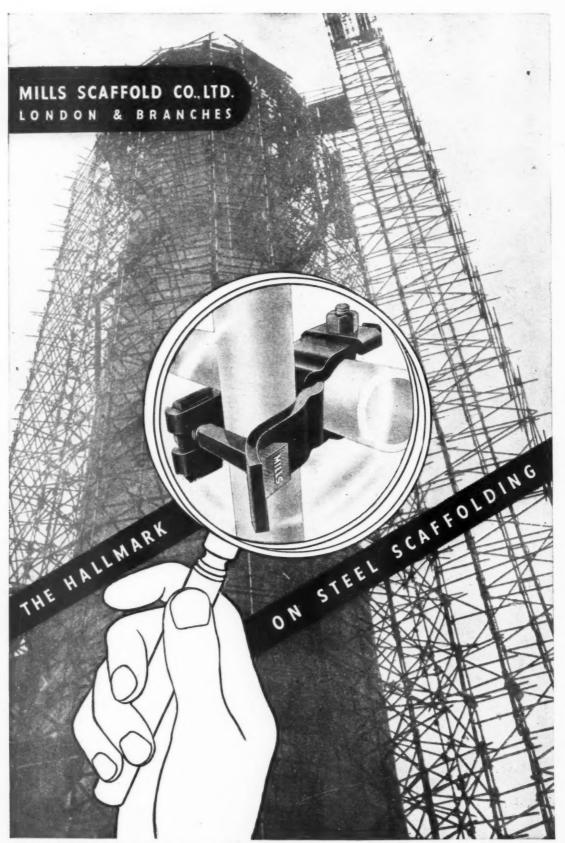
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