

standard contents

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

NEWS and COMMENT

Diary

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Architects' Commonplace Book Astragal's Notes and Topics

Letters

Societies and Institutions

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Information Sheets

Information Centre

Current Technique

Questions and Answers

Prices

The Industry

PHYSICAL PLANNING SUPPLEMENT

CURRENTBUILDINGS

HOUSING STATISTICS

Architectural Appointments Wanted

No. 2795] [Vol. 108 ARCHITECTURAL THE PRESS 9, 11 and 13, Queen Anne's Gate, Westminster, S.W.1. 'Phone: Whitehall 0611

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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 Ic one week, Ie to Z the next. In all cases where the town is not mentioned the word LONDON is implicit in the address.

IEE	Institution of Electrical Engineers. Savoy Place, W.C.2.	Temple Bar 7676
IES	Illuminating Engineering Society. 32, Victoria Street, S.W.1.	Abbey 5215
IGE IHVE	Institution of Gas Engineers. 1, Grosvenor Place, S.W.1.	Sloane 8606
IHVE	Institution of Heating and Ventilating Engineers. 75, Eaton Pl	ace, S.W.1.
	0,-0,-1,-1,-1	C1 2160

Incorporated Institute of British Decorators. Drayton House, Gordon Street, W.C.1. Euston 2450
Institute of Landscape Architects. 12, Gower Street, W.C.1. Museum 1783 IIBD

Institute of Landscape Architects. 12, Gower Street, W.C.1. Museum 1783
Institute of Arbitrators, 35/37, Hastings House, 10, Norfolk Street,
Strand, W.C.2. Temple Bar 4071 ILA I of Arb.

Strand, W.C.2. Templ Institute of Builders. 48, Bedford Square, W.C.1. Mu Institute of Refrigeration. Empire House, St. Martin's-le-Grand, E.C.1. IOB Museum 7197

Monarch 7391 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. IRA ISE LIDC

Whitehall 7264 LMBA London Master Builders' Association. 47, Bedford Square, W.C.1. Museum 3891 MARS MARS Group (English Branch of CIAM). 46, Sheffield Terrace, W.8. Park 7678 Ministry of Agriculture and Fisheries, 55, Whitehall, S.W.1. MOA Whitehall 3400 MOE Ministry of Education. Belgrave Square, S.W.1. Sloane 4522 MOH Ministry of Health. Whitehall, S.W.1. Whitehall 4300 MOLNS Ministry of Labour and National Service. St. James's Square, S.W.1. Whitehall 6200 Ministry of Supply. Shell Mex House, Victoria Embankment, W.C. MOS Gerrard 6933

MOT Ministry of Transport. Berkeley Square House, Berkeley Square, W.1. Abbey 7711 MOTCP Ministry of Town and Country Planning. 32-33, St. James's Square, S.W.1. Whitehall 8411 MOW Ministry of Works. Lambeth Bridge House, S.E.1. Reliance 7611

NAMMC Natural Asphalte Mine-Owners and Manufacturers Council. 94, Petty France, S.W.1. Abbey 1010 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. Abbey 5111 NAS NBR

NCBMP NFBTE National Federation of Building Trades Employers. 82, New Cavendish Street, W.1. Langham 4041 **NFBTO**

National Federation of Building Trades Operatives, Federal House,
Cedars Road, Clapham, S.W.4. Macaulay 4451
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. NFHS NHBRC Langham 4041

NPI. National Physical Laboratory. Head Office, Teddington. Moles National Register of Industrial Art Designers. National Gallery, Trafalgar Square, W.C.2. Whiteh Molesey 1380 NRIAD 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
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 PEP Whitehall 7245 PWB

Reinforced Concrete Association. 94, Petty France, S.W.1. Whitehall 9 Royal Incorporation of Architects in Scotland. 15, Rutland Square, Edinburgh RCA Whitehall 9936 RIAS Edinburgh 20396 RIBA

Royal Institute of British Architects. 66, Portland Place, W.1.
Royal Institution of Chartered Surveyors. 12, Great George St., S.W.1. Whitehall 5322
Royal Fine Art Commission. 22A, Queen Anne's Gate, S.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.
Sloane 5134
Rural Industries Bureau. 35, Camp. Road, Wimbledon, S.W.19.
Wimbledon 5101
Society of British Paint Manufacturers. 20, Piccadilly, London, W.1. Regent 6347
Society of Engineers. 17, Victoria Street, Westminster, S.W.1.
Abbey 7244
School Furniture Manufacturers' Association. 13, New Square, Lincoln's Inn,
W.C. Chanoery 5313 RICS RFAC RS RSA RSI RIB **SBPM** SCR

SE SFMA Chancery 5313 Structural Insulation Association. 14, Moorgate, London, E.C.2. Central 4444 Society of Industrial Artists. Room 243, Empire House, St. Martin's-le-Grand, E.C.1. Metropolitan 8344 SIA

SNTPC Scottish National Town Planning Council. 11, Drumshedgh Gardens, Edinburgh, 3. Scottish National Town Flanning Council. 11, Distribution of Street, W.C.1.

Society for the Protection of Ancient Buildings. 55, Great Ormond Street, W.C.1.

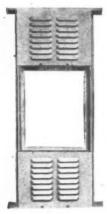
Holborn 2646 SPAB

TCPA Town and Country Planning Association. 28, King Street, Covent Garden, W.C.2. Temple Bar 5006 TDA Timber Development Association. 75, Cannon Street, E.C.4. City 6146 (3 lines)

TPI Town Planning Institute. 18, Ashley Place, S.W.1. Victoria 8815 TTF Timber Trades Federation. 81, Cannon Street, E.C.4. City 1476

WDC War Damage Commission. Devonshire House, Mayfair Place, Piccadilly, W.1. Mayfair 8866 Welfare Equipment Development Association. 61, St. Paul's Churchyard, E.C.4. WEDA

City 4263/4 ZDA Zinc Development Association. Lincoln House, Turl Street, Oxford. Oxford 47988



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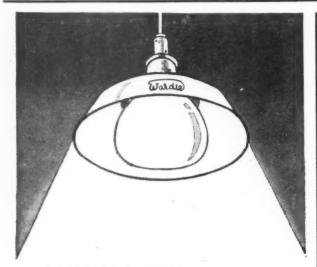
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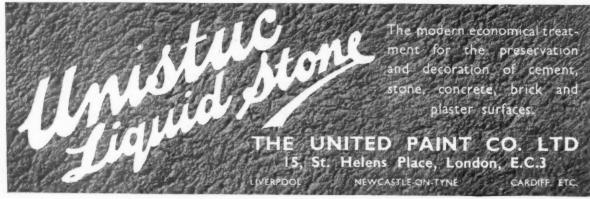
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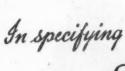
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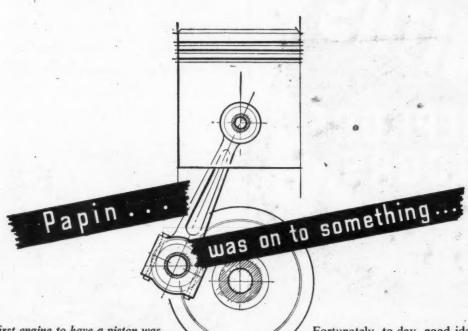


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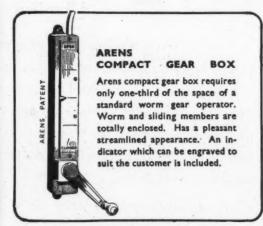
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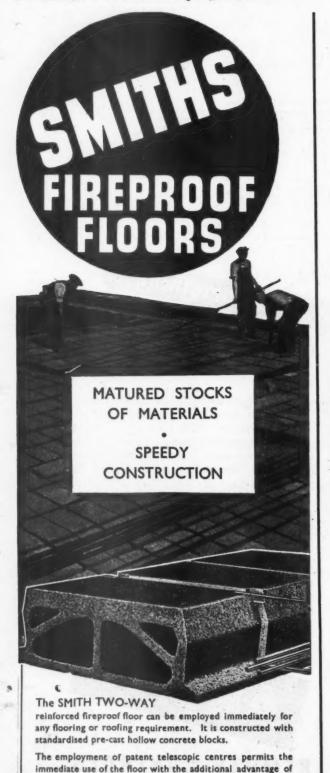




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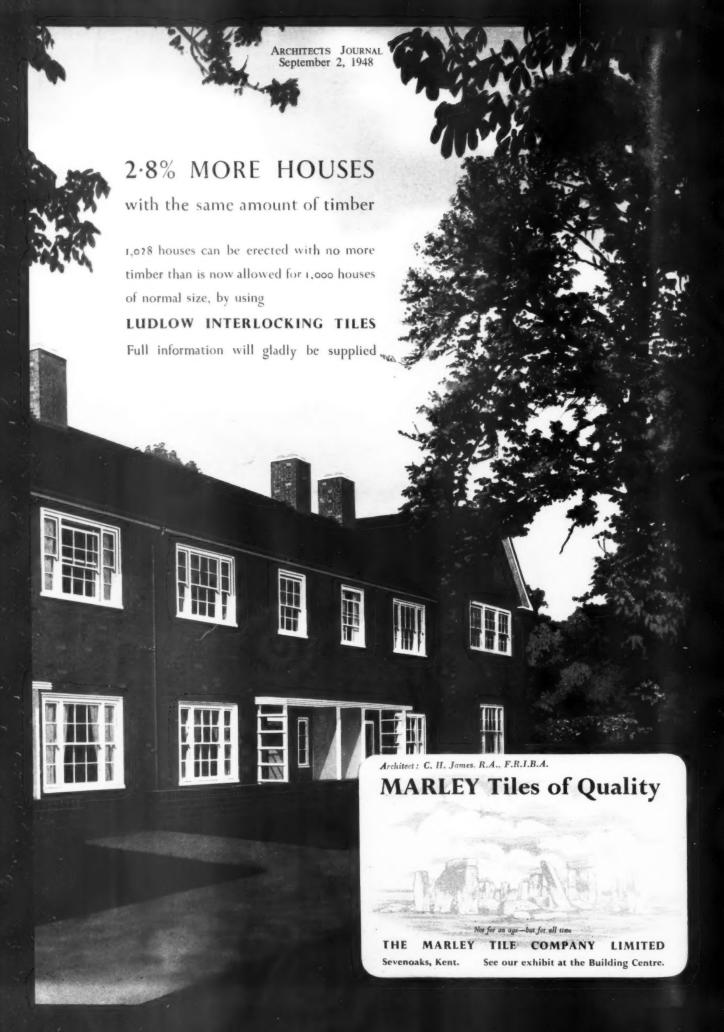
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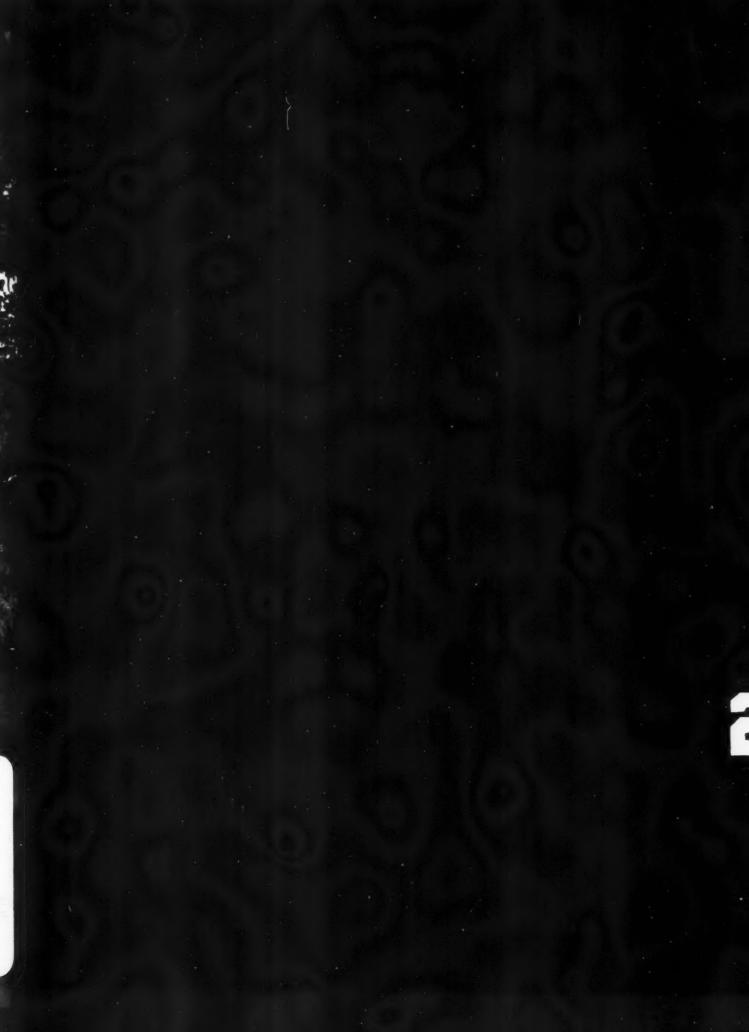
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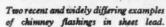
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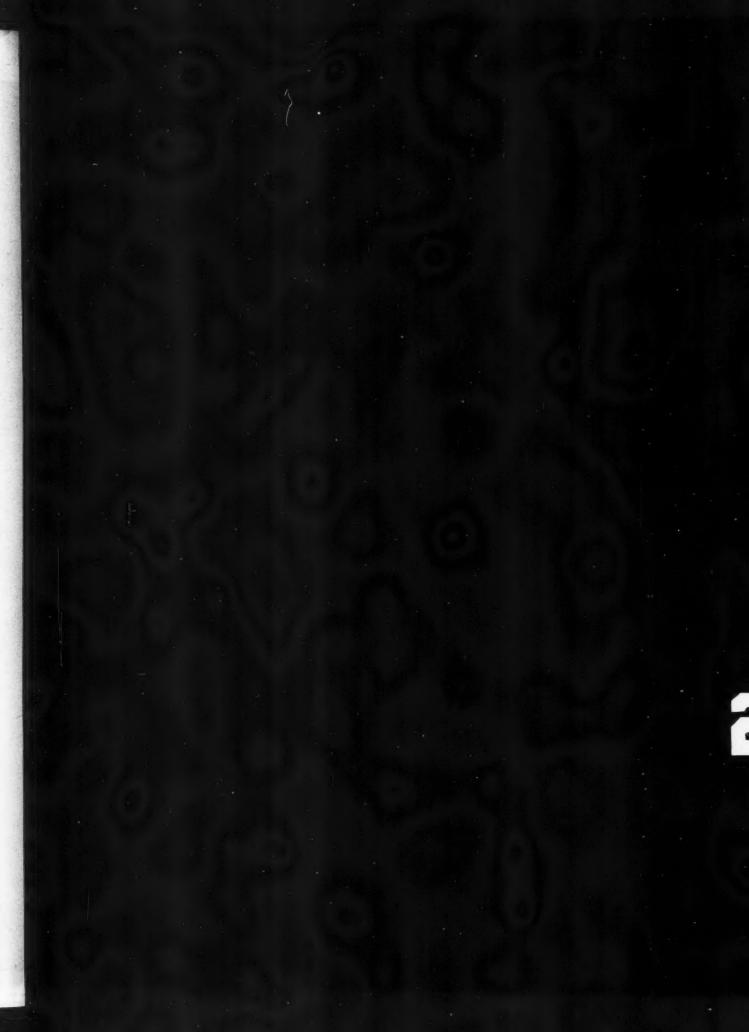
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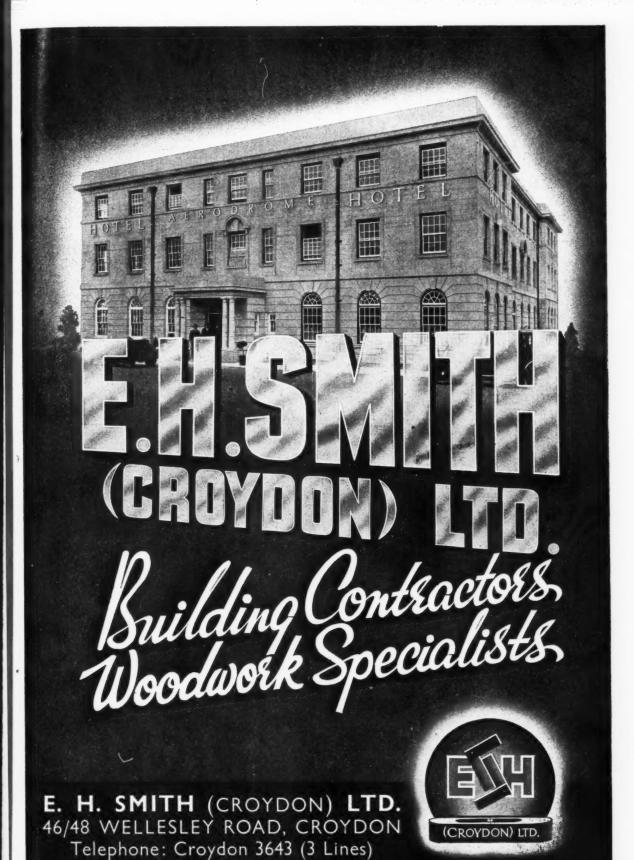


The Technical Information Bureau of the Lead Industries Development Council, which exists to give assistance on problems relating to the use of lead sheet and pipe in building work, will be pleased to advise on any questions relating to the uses of the materials.

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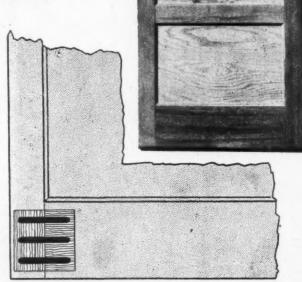
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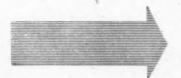
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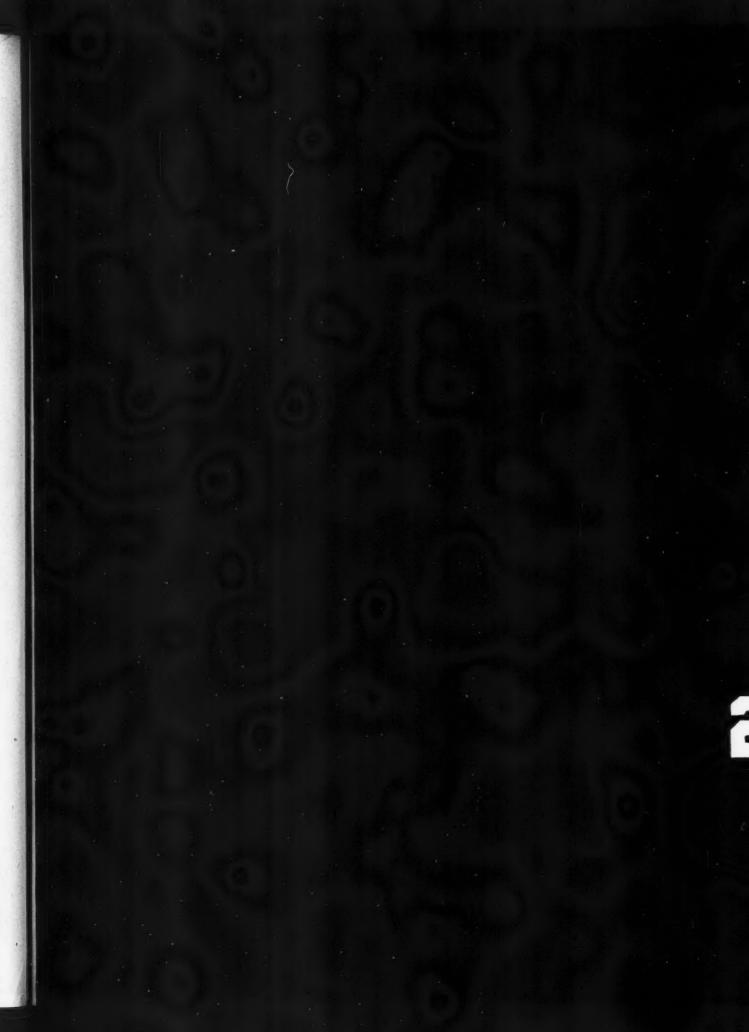
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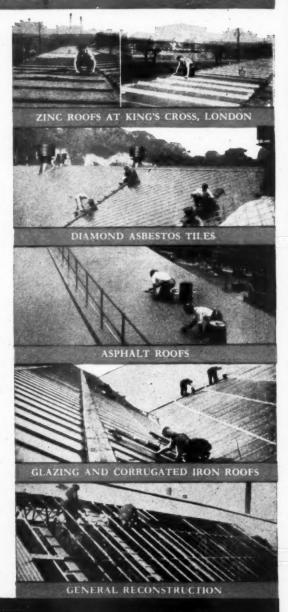
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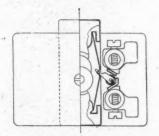
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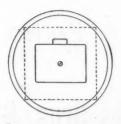
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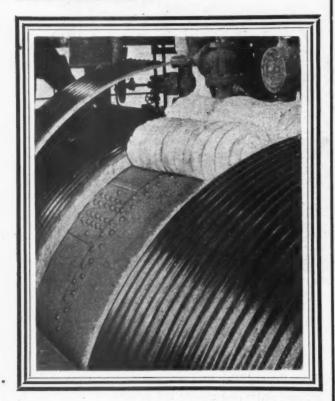
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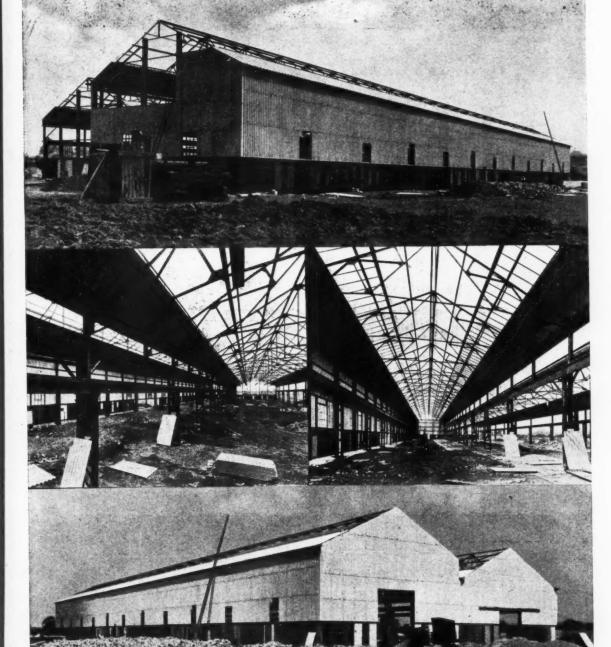
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In common with every other periodical, this JOURNAL is rationed to a small part of its pre-war consumption of paper. Circulation is therefore temporarily restricted but would-be subscribers are advised to have their names put on the waiting-list. Their names will then



be added to the subscription list as soon as possible. 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 Is. extra.

DIARY FOR SEPTEMBER OCTOBER AND NOVEMBER

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 given in the glossary of abbreviations on the front cover.

BIRMINGHAM. Design Week. (Sponsor, Oct. 11-16

BOLTON. Gallery, Civic Centre, Bolton. (Spon-UNTIL SEPT. 25

CARLISLE, Exhibition on the History of Photography. At the Museum and Art Gallery, Carlisle. (Sponsor, ACGB.)
UNTIL SEPT. 6

GLASGOW. Exhibition of Drawings and Models of East Kilbride New Town.
At the Scottish Building Centre, 425,
Sauchiehall Street, Glasgow, C.2. (Sponsor,
SBC.)
UNTIL SEPT. 4

NDON. Darkness into Daylight
Exhibition. At the Science Museum,
Kensington (Spanish LONDON. Kensington. (Sponsor, Science n.) UNTIL SEPTEMBER 30 Museum.)

LMBA Central Area No. 1. General Meeting. At Derry & Toms Resaturant, Kensington High Street, W.8. (Sponsor, LMBA.) Luncheon, 12.45 p.m. for 1 p.m. Meeting begins at 2 p.m.

Royal Photographic Society's 93rd Annual Exhibition. At 16, Princes Gate, S.W.7. (Sponsor, Royal Photographic Society.) Part 1: Pictorial and Colour. SEPT. 10 to OCT. 3

Part 2: Scientific Nature Record and Tech-Ост. 9-30

Display of Domestic Solid Fuel Burning Appliances. At the Building Centre, 9, Conduit Street, W.1. (Sponsor, CUJC.) This display is changed at approximately 4-monthly intervals.

PERMANENT EXHIBITION

Gas in the Design for Living. Exhibition of gas cookers, space and water heaters, laundry equipment and portable cooking and heating appliances. At the Building Centre, 9, Conduit Street, W.1. (Sponsor, RGC).

PERMANENT EXHIBITION

Machine Tool and Engineering Exhibition.
At Olympia. (Sponsor, The Machine Tool
Trades Association.)

UNTIL SEPT. 11 At Olympia. (Spon Trades Association.)

TCPA Dutch Tour. (Sponsor, TCPA.)
From September 11

R. C. Blyth, Design and Control of Con-rete Mixes. At Caxton Hall. (Sponsor, crete Mixes. At Caxton Hall. (Sponsor, Institution of Sanitary Engineers.) 6 p.m. 6 p.m. SEPT 21

Biology and Civil Engineering Conference.
September 21. Morning: Causes, Effect
and Prevention of Soil Erosion. Afternoon:
The Effect of Vegetation on Drainage and
Floods. September 22. Morning: The
Effect of Vegetation in Stabilizing Artificial
Slopes. Afternoon: The Use of Vegetation
to Stabilize Sand Dunes. September 23.
Morning: The Effect of Vegetation on the
Settlement of Roads and The Effect of
Vegetation on The Settlement of Structures.
Afternoon: Algal Growth and Engineering
Design. At the ICE, Great George Street,
Westminster, S.W.1. (Sponsor, ICE.)
SEPT. 21-23 Biology and Civil Engineering Conference. SEPT. 21-23

Finch. Standards of Practice in Domestic Sanitary Engineering. At Caxton Hall. (Sponsor, Institution of Sanitary Engineers.) 6 p.m. Oct. 19 Engineers.) 6 p.m.

International Housing Exhibition. At the Empire Hall, Olympia. (Sponsor, International Housing Exhibition.) Nov. 9-18

Public Health and Municipal Engineering Congress and Exhibition. At Olympia. (Sponsor, Public Health Congress Council.) Nov. 15-20

Building Teachers' Conference. At the Northern Polytechnic. (Convener, D. A. G. Reid, Brixton School of Building.) 10.30 a.m. to 4 p.m. Nov. 27

M AIDSTONE. J. Singleton-Green. Concrete Troubles. At the Maidstone Technical Institute, Tonbridge Road, Maidstone. (Sponsor, S.E. Society of Architects, Maidstone Group.) 7 p.m. Oct. 7

COMPETITIONS

RIBA Prizes for Public and Secondary Schools: A total of 10 guineas in prizes is offered for: 1, The best original illustrated essay dealing with a building or group of buildings with which the competitor is personally acquainted; 2, the best sketches or scale drawings of a building or part of a building in pencil, ink or colour maximum scale drawings of a building or part of a building in pencil, ink or colour, maximum size 30 in. by 22 in. Assessors: H. T. Cadbury Brown, Hugh Casson, E. R. Jarrett. Further information from the Secretary, RIBA, 66, Portland Place, London, W.1. Entries by October 7.

RSI Prize Competitions: John Edward Worth Prize (£40) for an essay on Practical Improvements of Appliances or Inventions in or about Dwelling Houses, and John S. Owens Prize (£15) for an essay on Aimospheric Pollution. Apply Secretary, Royal Sanitary Institute, 90 Buckingham Palace Road, London, S.W.1, for general conditions. Entries by December 31.

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Though no feature in the JOURNAL is without value for someone, there are often good reasons why certain news calls for special emphasis.

* 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.

The LCC and Hampstead Council are considering plans for the rebuilding of the SWISS COTTAGE area. The scheme includes the erection of LCC flats on a 38-acre site on each side of Finchley Road, and a new civic centre to be built on the site now occupied by the Blind School. A new town hall is to be the centre of the scheme and will permit the concentration of the borough's administrative offices. New traffic regulations have already been approved by the Hampstead Council. The latest addition to the scheme is a project for the erection of schools for delicate and physically handicapped children. The LCC Education Committee have asked Hampstead Council to acquire a five-acre site in the Swiss Cottage area.

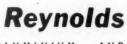


THE THINGS A HUNTER SEES WHEN HE LEAVES HIS GUN BEHIND

(Boer Proverb)

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that's what most manufacturers are hunting in one form or another. Some are interested in extrusions, some in tubes, some in sheet and strip. Reynolds make all four, and know how to turn them to other people's advantage.



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From AN ARCHITECT'S Commonplace Book

ARCHITECTS' OFFICES [From The Home of Man, by Le Corbusier & François de Pierrefeu (Architectural Press).] To begin with, let us observe that if, in the art of building, as elsewhere, conceptual work is, on the one hand, essentially a personal thing, to exploit the constructive idea is, on the other, generally a collective matter. Thus, excellent engineers' offices have been set up whenever public works called for them. But so far as architecture is concerned, nothing like this has occurred, at least not in France, whose architects have remained, and still at the present time seem to prefer to remain, isolated. It is different abroad, notably in the USA, where offices of architects, powerfully organized around a responsible leader, tackle without ado skyscraper plans or enormous schemes for workers' dwellings. On the whole, such offices have proved their aptness by casting a vivid light on almost every aspect of problems under study. Often nothing escapes their attention unless, for lack of humanism, it is the soul of them. . . . An initial condition whereby masters of works can come back to life in France, elsewhere than in the field of large public works (where we have seen nature operating as instructor) must be that to the administrative authority shall be assigned a set of problems on such a scale that the use of whole groups of architects and engineers formed into regular teams is absolutely essential.

The cost of building AYCLIFFE the new town near Darlington, County Durham, will probably be about £10 million. This was recently stated at a press conference by Lord Beveridge, chairman of the Aycliffe Development Corporation. The corporation aimed at recovering the cost from the rents. The scheme would, he added, be subsidized by the Government only in its early stages. The first house, an aluminium prefabricated bungalow, is nearing completion, and will be ready for its tenants early in October. Eventually, said Lord Beveridge, there would be about 10,000. The houses would be grouped round greens. "The scheme is going much slower than we should like," Lord Beveridge added. "There are all sorts of shortages and controls to contend with, and we are only on the same priority as local authorities for materials and labour."

ment. The building industry in the region, he added, was the most efficient in the country and the output of each operative was rising. Mr. K. W. Grant, principal Ministry of Health housing officer for the region, stated that it was hoped in 1949 to have 180,000 houses under construction in the country, of which the north region would build 14,000.

Funds from the Carnegie United Kingdom Trust will no longer be available for the building and improvement of VILLAGE HALLS. Financial assistance is being discontinued now that the "pioneering stage" has been passed. The National Council of Social Service, in making this announcement, said: "These schemes will in future be grantaided by the Ministry of Education or the Scottish Home Department, and financial assistance no less generous and broadly on

the same conditions will be available. The Minister of Education has invited the National Council of Social Service to continue to provide legal, architectural, and other advice to villages in the promotion of their schemes, and similar services will be available in Scotland through the Scottish Council of Social Service. The National Council of Social Service is in touch with over 2,000 villages where schemes 40 build halls are in various stages of development."

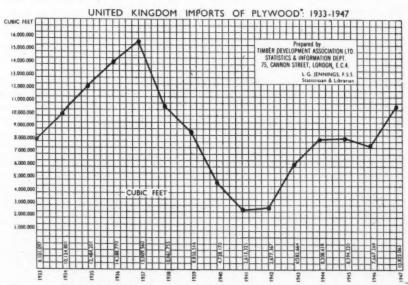
Work on GUILD-FORD CATHEDRAL

is to be resumed, after being suspended during the war. Permission has been given for roofing the south transept, above the children's chapel, at a cost of £4,500. The concrete arches will be built on new wooden centring and shuttering in replacement of earlier timberwork which has deteriorated. The architect for the cathedral is Mr. E. Maufe.

The Public Accounts Committee have critised the Ministry of Labour's expenditure on the BUILDING INDUSTRY TRAINING SCHEME.

The Committee's report points out that in April building training centres were employing an average of 6 staff for every ten persons under training. When it became apparent that shortages of material and cuts in capital investment would seriously curtail the building programme, the Ministry of Labour did not cut down their training programme as quickly as might have been expected. Construction of centres continued, thus employing labour and material which could have been used for more urgently needed building work. The Committee consider that at least some of the training centres should have been converted to other uses of national importance, and that earlier steps should have been taken to reduce instructional and administrative staffs.

Mr. W. S. Allen, northern regional director of MOW has stated the VALUE OF LICENCES issued in the region was £48,500,000. By providing work for 66,000 operatives, builders had made an excellent contribution to the policy of promoting full employ-



*Including laminboard, blockboard and battenboard.

Plywood import statistics are not available from the Board of Trade for the period 1920-1924.

From 1925-1932 the unit of quantity used in the Trade Returns was square feet, and as no record of thicknesses exist, it is not possible to convert these quantities to oblic feet.

SOURCE: BOARD OF TRADE STATISTICS DIVISION

The graph above shows the volume of imports of plywood into the United Kingdom for the period 1933-47. A diagram showing the rate of building of permanent houses from 1919 to 1947, and a note on their timber consumption over that period was published in the Journal for July 29

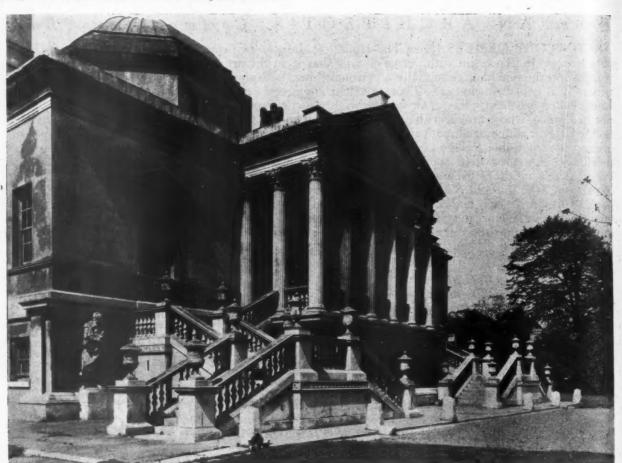


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Acquired for the Nation

The acquisition of Chiswick House for the nation by the Ministry of Works comes just in time to save the building, which is one of the finest examples of Palladian architecture in the country, from complete decay. Designed by Lord Burlington before 1727, the interior was sumptuously finished with the help of Kent, and the villa is thus one of the best indications of how Palladio was regarded by Burlington and his contemporaries. The villa was inherited by the Duke of Devonshire in 1788, who employed Wyatt to add wings on either side and, except for a few minor alterations, it remains today as Wyatt left it. It was

acquired by the Middlesex County Council in 1927, but only very limited funds were available for its maintenance. Even before the war the cost of essential repairs was estimated at £15,000, and the very cavalier treatment it received as an NFS depôt during the war hastened the decay of both the house and its gardens. Its acquisition for the nation is long overdue, and it is to be hoped that a thorough restoration will now be possible. The photograph above shows the entrance front with its magnificent portico and The condition of the fabric has deteriorated even further since the photograph was taken.

**
The report on the CONSTRUCTION OF LONDON AIRPORT* at Heath Row, has been published. The House of Commons Select Committee

on Estimates recommends that, in view of the ultimate advantages and economies to be derived from expediting progress at the airport, the reduced constructional programme port, the reduced constructional programme should again be reviewed to determine whether it could be accelerated without undue prejudice to the general need for economy in man-power and materials. The committee finds that the three stages in the development of the airport, originally expected to be completed by 1946, 1949, and 1953, are not proceeding to schedule. There has been unavoidable overlapping, and the has been unavoidable overlapping, and the first stage is still in progress while the second stage has begun. It has been decided to erect semi-permanent buildings in the central area, since it is felt that more experience of the requirements of a major civil airport is neces-

sary before plans for permanent construction can be prepared. These buildings should be ready for use by 1950. By 1951 it is hoped that access to the central area will be provided by a shallow tunnel leading from the present Bath Road. It will contain two 22-th middle exprise your and two 15 ft owice. ft. wide carriageways and two 15-ft. cycle tracks. The design of the permanent buildings, which are to be built during the third stage, will be the subject of an open competition, probably in 1952, but it is unlikely that any constructional work on them will begin before 1954. The estimated cost of the development is put provisionally at £26 million, of which some £8 million will have been spent by the end of this year. To complete the work south of the Bath Road a to be done north of the Bath Road, completing stage three of the scheme, will cost £3 million. In this connection the report states that the effect of recent restrictions on capital construction is likely to be serious. Messrs. Wimpey, who are carrying out the construc-tional work, employed during the past three

years an average labour force of about 2,000 men. This force will be reduced to 500 by the end of September.

THE HOWARD MEMORIAL MEDAL has been awarded

MEDAL has been awarded to Mr. Richard L. Reiss. The medal is given only for a lifetime's service to the Garden City Movement. Mr. Reiss is Vice-Chairman of the Welwyn Garden City Development Corporation and former Chairman of the Town and Country Planning Association. He succeeded the late Earl of Lytton as Chairman of the Hampstead Garden Suburb Trust last year and is now Chairman of the London Labourers' Dwellings Society. The medal has been previously awarded to Sir Raymond Unwin (1938), Mr. Barry Parker (1941), Sir Patrick Abercrombie (1943), Dr. Norman Macfadyen (1945), and Mr. Lewis Mumford (1946).

H.M. Stationery Office, 2/-.

BOREHAM WOOD HOUSING SCHEME is to be modified. The Minister of Town and Country Planning has rejected the proposal of the London County Council to develop a housing estate for 25,000 to 30,000 people at Boreham Wood, Herts. The land lies in the Green Belt area, and while the Minister agrees that some development must be allowed to complete what is already there, he has decided that the new LCC estate must be limited to 15,000 or 16,000 people.

In a letter to the LCC the Minister

In a letter to the LCC the Minister agrees that some expansion must be allowed at Boreham Wood, where the present population is about 9,000, because the industrial development already there exceeds the local labour supply, and many people are traveling in daily. The aim should be, the Minister says, to achieve a balance between industry and population; but the town should be kept as small as is consistent with the industry already established.

HELP FROM PARISHES
in rural planning schemes is being sought.
Cambridgeshire County Council has organized the first of twelve meetings whose object is to initiate parish planning groups throughout the county. At the first meeting, Dr. R. M. Jackson (chairman of the County Council's Planning Committee) who presided, explained that the Council was trying to work out a scheme by which planning could be done, with a combination of local work and the Council, who were the planning authority. "The attempt of the County Council to work with parishes has not been tried before," he remarked, "so that all of this is somewhat experimental. "The kind of thing I am anxious to avoid," he said, "is that which has happened in the past, whereby a plan is prepared, various things are done, and the people who are affected find they have a limited number of days in which to object, and by the time they have woken up to what it is all about the days have expired."

NEWS IN BRIEF

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The Ministry of Works announces that the Lead Economy Memorandum, which gives recommendations for the use of lead sheet and pipe in building work, has been withdrawn as from September 1. Orders for lead sheet and pipe will still be subject to the provisions of the Control of Building Materials (Amendment) Order, 1948 (No. 980/1948) in order to ensure that supplies are available for essential work.

The use of prefabricated hospitals is being considered by MOH as a solution to the problem of new hospital building requirements under the National Health Scheme. Prototypes have been designed by Spooner (Hull) Ltd. The basis is a 24 ft. square prefabricated unit which can be erected in one day. The units can be used to build single-storey hospitals of any size.

Bridgewater Housing Committee have approved a recommendation to erect one hundred Cornish Unit houses on the Sydenham Estate. The committee in their report stated that the total cost of the new housing scheme amounted to £140,966, and that loans of £72,025 and £70,375 would have to be raised to cover the scheme, which would be in two instalments of 50 houses each, including 12 flats.

THE SUPPLY OF MATERIALS

A LL building at the present moment is dominated by the availability of materials. An advantage of the second seco right materials on the site at the right time is an ambition which all who are connected with building are anxious to achieve. But this requirement, so simple to state, is farther than ever from being accomplished. How very few and far between are the jobs in Great Britain to-day which have been started and finished according to schedule. That time means money is a truism, and the cessation of work on a job through lack of materials is costly to all concerned. It means increased costs for the builder, who has to employ men to do nothing, reduction of wages for the men owing to the loss of incentives, and of course eventually, loss to the client. It is remarkable that this problem, which has been with us for so long, has not been more energetically tackled. There is no doubt that the existing system whereby builders apply to their regional materials officers for the satisfaction of their requirements is inadequate. It does little to prevent the situation whereby contractors, having reached a certain stage in their work, find that a material which might have been plentiful when the job was first started is suddenly impossible to obtain. This leads to either a complete breakdown in the schedule or to makeshift with any alternative material available, which is not only uneconomical but destructive of good

A suggestion that has been made, which might well alleviate the trouble, is that the nature and quantity of standard materials that would be available over a period of about 6 to 12 months should be published in advance. It is proposed that this need not be the concern of the Ministry of Works but could be achieved by the formation of a federation consisting of manufacturers, merchants and builders. The object of the federation would be not only to announce the quantity of the manufacturers future production, but also the supply of all necessary variations in size and shape. The next aim would be the elimination of the hand to mouth method of delivery, and the building up of stocks sufficient to give a smooth and constant stream of supply. The existing system of building licences is, of course, the instrument whereby the regulation of demand can be achieved. The result of a move made on these lines would be that the architect, when designing, would know what materials would be available for some time ahead, and the builder, forewarned of future shortages, could take steps in time to avoid a breakdown in building operations.

The situation at the moment, where any surplus material is immediately snatched up and quickly becomes scarce, is suggestive of the immense waste, extravagance and misuse of materials that must be taking place when architects and builders have constantly to make do with the next best thing or with the only material available.

This partial planning is even more uneconomic than the old

system of laissez faire. It is as useless to allow more building to commence than there are materials to complete it as it is to restrict building when materials are in plentiful supply. The suggestion of a federation to deal with the problem may not be the right one, but it is certain that something on these lines is required. The manufacturers are not primarily concerned, as they have the benefit of a seller's market, so there is no incentive for them to act. The first move should come from the builders, those who are not reduced to apathy by long years of struggle against scarcity, delay and restriction, and behind the builders should be the architect, determined to see the evolution of a system whereby his designs, prepared with an exact knowledge of what is available, can be completed as specified to an exact timetable, without the disheartening and wasteful process of improvization.



The Architects' Journal
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SUMMER SCHOOL

Cambridge itself must be given much of the praise for the success of the planning Summer School held there last week. It is big enough (70,000 or so) to have some of the features of a large town and small enough for a visiting planner to comprehend its pattern. The lodging of all members in Trinity College, mostly in Great Court, was, of course, ideal; and the encouragement that every planner must obtain from a week in Cambridge is not less valuable for being obvious.

Two main impressions were probably felt by many members of the School. The first is that the next two or three years will be needed to digest the 1947 Act and get it working properly. The Minister thought it unlikely that National Parks legislation (the main outstanding TP item) would be possible

during this Parliament, and Sir Robert Fraser's and Mr. Heap's papers and discussions on them showed that those who are to administer the new Act are also going to be students of it for a long time. Moreover, some amending legislation will be necessary.

The second impression was that central area problems, apt to bulk so large in London, were not of first interest to most of the members. Discussions in the lobbies and tearooms -the surest guide to the things most in mind-were about administration, the Central Land Board, county survey and housing clearances. One man who knows a lot about FSIs and the Daylight Code found few to argue with. This should be noted by MOTCP's Technical Department. Short papers, accompanied by a few illustrations, on current problems may be a very necessary supplement to a handbook every three years.

DANEGELD

Those admirers of Steen Eiler Rasmussen, architect and writer, who have been keeping their copies of London the Unique City* locked up in the safe may breathe more easily and even take the book out again and look at it. A new edition is now out, with an introduction by James Bone and a number of additional chapters addressed to English and American readers, bringing the story of London up to date.

Readers of the book will remember that the author ended it with a grim warning that London would lose its unique character if we gave way to the strong pressure to build flats. London is a "scattered city," to use Rasmussen's phrase, and in this fact lies its uniqueness. He warns us against Le Corbusier, pointing out that the latter "is a modernist in his artistic form, but a conservative in his planning of a city." The building of blocks of flats, Rasmussen regards as the building of slums, the large sums of money involved making clearances improbable.

Originally written to explain the English to the Danes, the author considered that the publication of London the Unique City in English might possibly give the inhabitants of that city some idea of themselves. London is indeed a unique city and all those who are concerned that it shall not lose its special qualities will agree that Mr. Rasmussen has performed a great service.

MORE NEWS FROM GERMANY

Last week I wrote about the postwar architectural background in Germany. Another colleague who has just returned from Germany tells me that in the Rhineland the only buildings which one can see being reconstructed are churches and the better-class shop fronts. It seems that very extensive work is being carried out on the reconstruction of the Cathedrals at Cologne and Aachen and at scores of the greater and lesser churches of the Rhineland. Cologne Cathedral was hit by 14 bombs but nevertheless survived—the damage is serious but not irreparable, and already the great choir and transepts have been extensively repaired in time for the celebration, two weeks ago, of the cathedral's 700th anniversary.

One of Germany's leading sculptors, Materé, was commissioned to design the great new bronze doors for the south porch. They are decorated with inset mosaic on various symbolical devices in high relief, and are a frankly contemporary conception. The same fearlessness in working in a modern idiom in a historical setting can be seen in the new stained glass windows for the cathedral designed by Professor Wendling. Lack of money has limited the work to simple repetitive overall patterning, but the new glass is un-

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Dorm special season, of Chrin the on the Deutz. gallery and a interior dignification.

Sweddereat extension of Swedsigns assemble a num works amour the mishown ordinal field of

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^{*} London The Unique City," by Steen Eiler Rasmussen. Jonathan Cape. 18s.



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The exposed floors of this bomb damaged building in Germany have been converted into children's play pens, washing areas and gardens.

hesitatingly contemporary in character, and makes one regret that the adjacent overall patterned windows of the 19th Century were not among the war casualties.

As part of the city's programme was Dorm Jubileum, which included a special summer opera and drama season, and an International Exhibition of Christian Art, which is being held in the old Dressé Exhibition Building on the other side of the Rhine at Koln-Deutz. The great semi-circular arcaded gallery is damaged—but with new glass and a liberal use of whitewash on the interior, it still makes an impressive and dignified background for an art show.

Sweden, Switzerland, France and Great Britain were represented by fairly extensive exhibits. With the exception of Sweden most of the stands showed signs of having been rather hastily assembled, but there were nevertheless a number of pleasant and even exciting works to be found among a large amount of mediocre creations. By far the most impressive collection was shown by Germany, with an extraordinary variety of exhibits from every field of design, ceremonial robes, church metal work, book illustrations, painting and sculpture, architecture, mosaics, and stained glass. It is noteworthy that the larger part of the work shown

was of post-war origin and almost all in contemporary idiom—more so than similar work of Eric Gill, but with that "neo-Romanesque" flavour never wholly absent. My colleague was deeply impressed by the examples of modern church design that he visited, apparently the only contemporary architecture which continued to be built up to 1940—but which got no publicity for evident reasons. He suggested that the "new empiricists" would find material for their collection in a number of these works.

An alarming aspect of reconstruction is the inroads upon the German forests. Their yield in 1938 was about 40 million cubic metres and since 1937 the extraction was up to 150 per cent. of the natural regeneration. This damage has been accentuated by the reparation demands of the occupying Powers. Russia wanted 18 million cubic metres in 1947 and we claimed 2.5 millions cubic metres while the French are building houses with a timber content of ten to fifteen standards of highgrade soft wood. This destruction of forests in Europe is going to affect the climate as it has done in the United States. In fact, seen in a detached way it is far more incisive than starvation or war casualties. Losses of mature forest land cannot be made good in a generation, and once the climate changes not even a scheme on the TVA scale could reclaim the lost land.

In England also, although the overall total of timber losses may not be so terrifying, there has been a tremendous wave of tree destruction. In this country, it seems to be largely bark trees and individual specimens that are falling to the woodman's axe. The loss of fine trees, as they are seldom if ever replaced, can completely change the character of the countryside. One of the main reasons for the present wholesale destruction is the practice of selling timber away from the land. It is now common when an estate is sold for the standing timber to be sold separately, with the result that almost every tree bigger than a walking stick is felled. While the Ministry responsible for the production of homegrown timber may cheer every cubic foot that crashes to the ground, surely the MOTCP, that sure guardian of amenities, cannot remain indifferent.

ASTRAGAL

LETTERS

Percy J. Waldram, F.R.I.C.S.

John A. Whittaker, L.R.I.B.A.

Jack Pritchard

National Lighting of School Classrooms

SIR.—The letter of Mr. J. A. Godfrey of the BRS, in your issue of August 6, states that we are not yet in any danger of having too much light in school classrooms but that we are of unnecessary glare from bright skies. As extreme brightness contrasts are accentuated by too much light from excessive window space, which can be reduced by venetian blinds, this is not easy to understand.

easy to understand.

During the war a Building Research Committee possessing no medical or ophthalmic qualifications recommended that in post-war schools the British and Continental official standard of natural classroom lighting, based on the measured minimum in modern schools with ample high windows, practically unobstructed, which had evoked no complaints or clinical criticism for some 20 years chould be increased tonfold.

30 years, should be increased tenfold. The Ministry of Education reduced this by 60%, but it transpired that even the fourfold increase left could only be obtained by single storey schools with the top lighting at one time forbidden by the Board of Education. This, of course, made havoc of the official estimates, already astronomical, of the cost of new schools entailed by the raising of the school leaving age. We have been officially informed (Journal RIBA, November, 1947, Vol. 55, No. 1, p. 20) that the subject is now under consideration by a joint committee of the BRS and the Medical Research Board. Until they report, dogmatic statements are undesirable.

Advertised Vacancies

SIR.—Many Architects and Assistants are spending numerous hours, at the present time, making application for advertised vacancies, yet in many instances the despatch of the application is the last that the applicant hears of the vacancy. The advertiser does not trouble to acknowledge receipt of the application and no notification to the unsuccessful applicants is forthcoming.

coming.

I feel certain that every applicant would welcome the courtesy of receiving even a printed card informing him of the result, as it would enable him to consider further vacancies advertised.

Wimbledon

JOHN A. WHITTAKER,

Borax

SIR.—Astragal is not quite correct in imagining that the word "Borax" appeared first in print in England in the Architectural Review. It first appeared in the Working Party Report on Furniture published in 1946 by HM Stationery Office.

by HM Stationery Office.

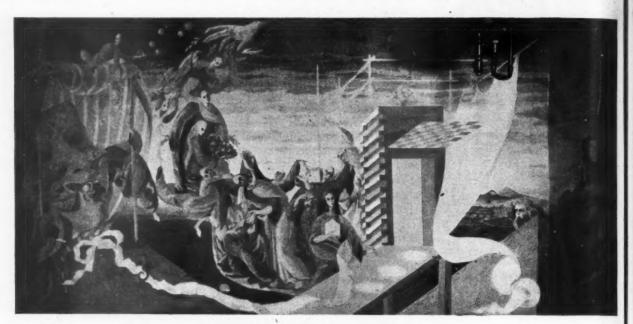
"Borax" was there referred to on page 114:

"an endless variety of superficially different variants of the same design and resulted in the application of all sorts of decorative features... Thus design came to be regarded not as a fundamental process... but as a mere adding of a few pieces of decoration at the end."

London

JACK PRITCHARD

MURALS IN A WORKMEN'S CANTEEN





Above, "The Ascent—a Fantasy"; left, two walls of the canteen. Left-hand column of photographs, top to bottom: "The Law and the Prophets"; "Let Us Rejoice"; "Veneration." Right-hand column of photographs, top to bottom: "St. Francis of Assisi"; "The Greation"; "The Garden."













The photographs on this page show murals painted in the canteen at the Crown Works of Messrs. Higgs and Hill, South Lambeth Road, Vauxhall. The artist, Mr. Hector Whistler, was given the widest possible scope by his patrons, who granted complete freedom of creation and expression. The scheme is stylised narrative painting, with its colours, motifs and drapary derived from Byzantine, Sienese and oriental painting. The panel called "Veneration" (see caption above) is reminiscent of Mantegna, while "The Ascent"—a Fantasy" seems to be influenced by El Greco rather than directly by Byzantium. The murals are painted in oil on a cement and sand rendered brick wall with a Keene's cement finish. To prevent fading, oil varnish was used first with flat varnish applied ofterwards.

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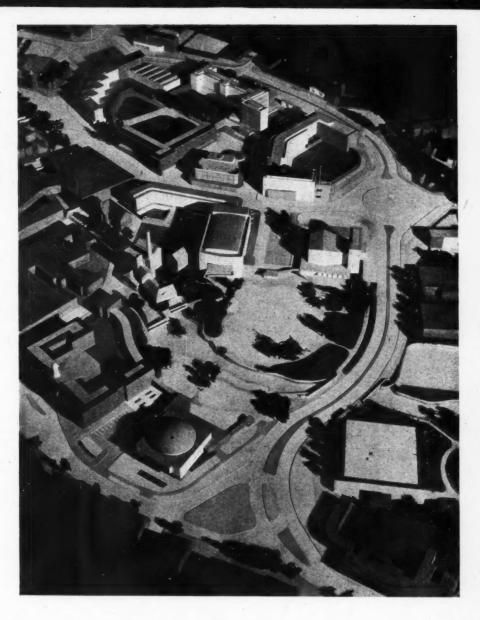
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PHYSICAL PLANNING SUPPLEMENT

In the issue of January 16, 1947, the Journal published the plan for the extension to Nuneaton, for the extension to Nuneaton, covering the areas of Caldwell and Marston, by R. C. Moon, Borough Engineer, and Frederick Gibberd, Town Planning Consultant. This is a complete neighbourhood unit, with a small industrial extens a rehool extension. industrial estate, a school system and local shopping centre. centre of the site is free of building and extends as a green wedge to the heart of the town. This week the Journal describes R. C. Moon and Frederick Gibberd's plan for the war-damaged town centre of Nuneaton. Right, the proposed centre from the south-west.

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FOR THE TOWN CENTRE : BY MOON AND FREDERICK GIBBERD

general

The central area of the Warwickshire Town of Nuneaton was badly damaged by a heavy air raid in 1941. The Council instructed Frederick Gibberd to prepare a scheme for the replanning of this centre in collaboration with R. C. Moon, and have applied to the MOTCP for a Declaratory Order in respect of the area. A public inquiry has been held.

The existing town is divided up by a radial road pattern converging on the market place in the centre. It is further divided by railway lines, also on a radial pattern, meeting on the north-east side of the town. There are large mining areas on the west side.

draft master plan

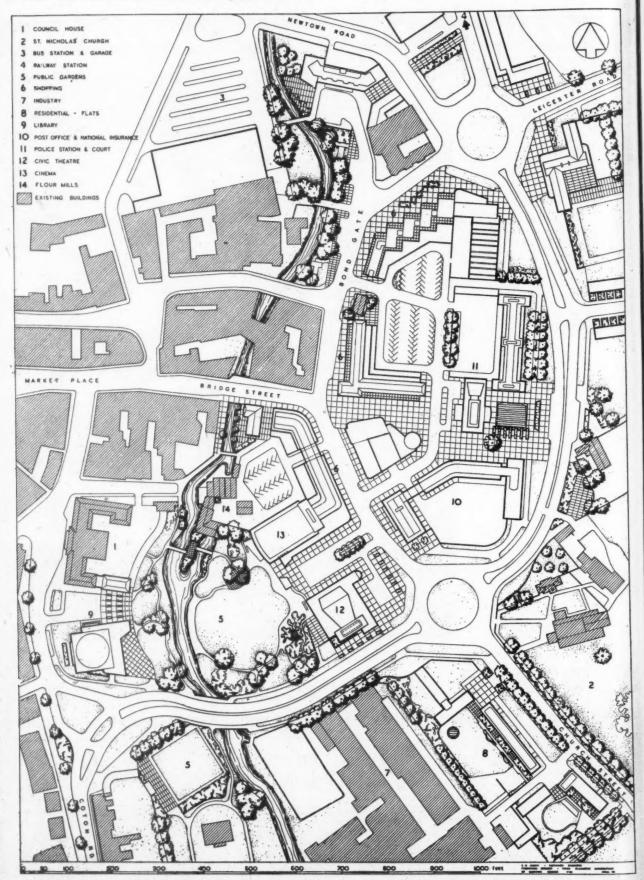
In the master plan, the radial roads converging on the town centre from the east are linked up by a loop road. On the west an existing road is widened to act as a connection, thus the town centre is freed of through traffic. Existing residential areas are grouped and expanded to form neighbourhoods. Their final population would be about 60,000. The major housing development will be on the east side owing to the extensive mining on the west. A new industrial estate is proposed on the south-east. There are several brooks running through the town, and these are preserved and landscaped as sub-divisions between neighbourhoods.

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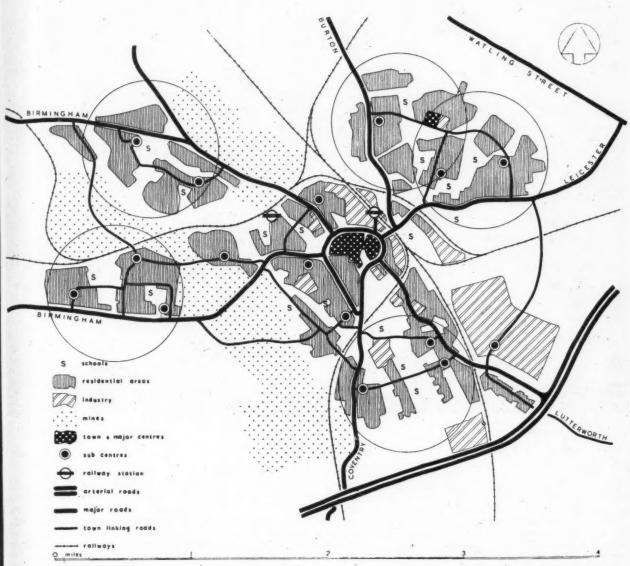
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The plan for the centre showing, left, the civic centre grouped round the stream and above it; to the right, the business group.



The draft master plan.

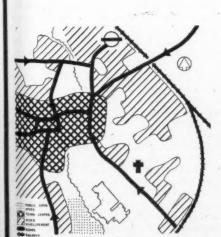


Diagram of central area as existing.

group.

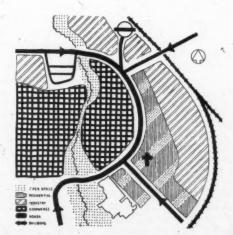
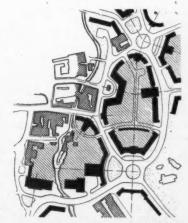


Diagram of central area proposals.



Conventional layout for comparison with the plan on the opposite page.



Aerial view of the centre.

the centre

The area is of 64.7 acres and lies between the Council House on the west and the LMS Coventry line on the east. The area is a mixture of houses, shops, offices, light factories and workshops. The main shopping centre adjoins this area to the west, but escaped damage and was therefore excluded. Surveys of the area were made and drawings produced in accordance with the MOTCP's Circular No. 12. In order to help in solving the traffic problem, four half-hour origin and destination surveys were carried out on the radial roads. The results showed that if a loop road connected up the radials round the eastern perimeter of the central area, the central market place would be relieved of about 30 per cent. of its present traffic.

broad proposals

A loop road is provided, connecting up the radials and providing east-to-west links. It would also form the bus route. A bus station and garage are provided in the centre of this loop opposite a short cut to the market place and with pedestrian ways, both to the town centre and the station. A new station approach is formed, the existing road being closed. The area inside the loop road is planned as a central area proper with new shopping, business, administrative and cultural centres. Outside the loop is a belt of high density housing, including the church and open spaces. The area between this and the railway is planned as a light industrial estate. The River Anker runs into the area from the south. This is developed as a landscape wedge running from the country-side to penetrate and form an integral part of the central area itself.

the plan in detail

The principle in placing the new public, administrative and commercial buildings has been to site them as two interrelated groups, whose functions would be complementary. These groups consist of buildings arranged around open spaces, with motor traffic circulating behind them. Compositions are built up between the façades of the buildings and the paved or garden areas between them. This is the opposite planning technique to the conventional one of grouping buildings round the traffic inter-sections. The sketch on page 223 was drawn to make the comparison between these techniques clearer. It shows the common method of treating the main roads as building frontage with principal buildings on the axis of traffic intersection, the spaces behind being used for service roads and parking, and not forming part of the visual picture.

One group, civic and cultural, is planned round the river, hitherto shut in behind the backs of buildings. It includes the existing Council House, a new library, art centre and cinema. An existing 19th century flour mill, a tall building in blue brick of robust design is retained to form part of this group. The other group is administrative and commercial. It is planned round an internal road and pedestrian way, and includes the Police Court, Post Office, National Insurance and shops. This area is an extension of the market place shopping centre. Although these groups are in precinctual form, traffic is not entirely excluded. Service roads and car parks are provided but in such a way that they do not disturb the areas either functionally or visually. The existing mediæval church and the churchyard are left on their own to be a dominant element on the loop road, to avoid attempting to relate the church to new buildings which would have spoilt its scale.

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Speeches and lectures delivered before societies as well as reports of their activities, are dealt with under this title, which includes professional societies, trade associations and government departments. To save space they are represented by their initials—see front cover. Lectures cannot usually be reported in full, but the extracts given are in the speaker's own words.

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Clough Williams-Ellis

August 12. A paper read by Mr. Clough Williams-Ellis at the International Conference on Landscape Architecture on LEISURE IN THE LANDSCAPE. Miss M. C. Glasgow, Secretary-General of the Arts Council, was in the chair.

Clough Williams - Ellis: You might truly say that since the first world war leisure has been expanded and landscape contracted at an ever accelerated rate until, in this crowded little island of ours at all events we have now reached a point at which the State must intervene decisively on behalf of landscape lest its earlier and humane intervention on behalf of leisure becomes a mockery simply for lack of sufficient acceptable space and facilities where time can be agreeably and beneficially expended. In essence, then, it is a problem in space and time posed by our newly intensified and wider conceptions of justice, efficiency and the true aims of civilised existence, which should, we feel, include, amongst many other things, more fun for more people, outdoor, recreational fun. Now there was a time, I will confess, when I had myself an instinctive, illogical and quite indefensible belief that a gracious landscape was a sufficient end in itself, selfjustified, regardless of its social implications of the conditions that had produced or maintained it, or even of its own repercussions on humanity. That view, treating mankind as a mere incidental foreground to inanimate beauty, as just figures in the landscape, cannot, I must own, be intellectually defended. I now sensibly concede that no reasonable person is likely to concern himself about visual beauty, its creation or preservation, save with reference to its human values. Which goes for Governments as well as individuals—as it should and must. Not without difficulty I too have at last persuaded myself into this more reasonable, if utilitarian belief—that the mere existence of beauty is of no im-

portance, it is only its enjoyment by man that signifies. It follows, inescapably it seems to me, that

It follows, inescapably it seems to me, that admitting this much, one must go yet further and allow that what really matters is that the appreciation and enjoyment of natural beauty shall be as widely diffused and shared as possible—for the greater happiness of the greatest number. We must try to popularize and democratize the enjoyment of such beauty—by making lovely places generally accessible without thereby impairing their distinctive characters.

SOLITUDES AND MULTITUDES

The fact is that, given new leisure and new transport facilities, the new generation with its new outlook is going to swarm over the landscape anyhow. It is our job, and now the Government's, to see to it that the landscape not merely survives its new popularity and accessibility, but that it shall also be made to exert its civilising influence on its teeming new public to the greatest possible effect—to the ultimate salvation of both—the solitudes and the multitudes. Economics, physical barriers, a too narrow "paper" education and primitive social conventions, have kept the two apart and unacquainted altogether too long, and the overdue introduction of millions of townsfolk to their hitherto unrealized heritage of natural beauty will be both difficult and dangerous, with all sorts of ignorances and gaucheries to be patiently replaced by understanding as the new patrons are educated in appropriate country manners.

These initial difficulties must be faced and overcome, as they are being here and now. Our present Government is well aware of the problems and of what is at stake, and in its new Town and Country Planning Act, its promised National Parks legislation, and otherwise, shows that it now largely agrees with what the amenity societies have been preaching for a generation, and means to do something about it. It, like our National Trust for Places of Natural Beauty or Historic Interest, fully realizes that the only sure preservative for such is public access, use and appreciation—popular enjoyment and the wide democratic good-will towards the place in question so assured. The good citizen's most pressing job at this moment is to see to it that our Government's undoubted good intentions are actually honoured and fully realized.

NEW ZEALAND

Thus far I have been entirely insular—not because I don't know from my own admiring, observation what other civilized countries have to teach us on all such matters—the Scandinavian countries and Switzerland particularly—especially as regards education in the appreciation of natural beauty in their schools. But we have the native experts from these advanced countries here with us to speak authoritatively for them, and I will resist the temptation to trespass on their own delectable preserves. Rather will I fly to the ends of the earth—to Australia and New Zealand, whence I am newly returned after a trip around the world and where, as much as here, the natural landscape has been and is being conditioned by Anglo-Saxon manipulation or neglect.

is being conditioned by Angio-Saxon manipulation or neglect.

I was longest in New Zealand and, as I traversed it pretty thoroughly, saw most of its scenic high-lights, and discussed leisure and landscape, access and catering, country planning and the economics of tourism and "worker incentive" and so on, pretty widely with experts and technicians, civil servants and politicians, as well as (of course) with citizens generally. I will confine my present observations to that exciting little country alone. Roughly speaking, only a hundred years ago, New Zealand was still an aboriginal wilderness, sparsely inhabited by nomadic Maori tribes, who, though cannibals and head-hunters, had a very real culture of their own which included a deeply apprecia-

tive respect for nature, a love for the opulently beautiful forests that were their home, a veneration for the mountains that were their landmarks and the abode of their gods. Their simple way of life was nicely adjusted to surrounding nature as they found it when they landed from the far-off South Sea islands some six hundred years ago—and so continued well into my own father's lifetime. There was a harmonious ecological balance and no conflict apparent between man and his environment.

IMPACT OF THE PIONEERS

And then of a sudden into the midst of this delicate equipoise burst rough hoards of tough go-getting pioneers from England—by no means the most refined samples of a utilitarian philistine mercantile society, too many out for plunder and quick profits of any kind from this newly discovered and as yet unexploited island. First sailors and buccaneers in search of tall spars for their ships, then merchants for exportable timber, then again whalers and sheep farmers, goldrush miners, missionaries, emigrants of all sorts, speculators, entrepreneurs and restless enterprising folk of every kind, good, bad and indifferent. Happily, one can only suppose, by the present state of things, the good greatly predominating. Well, pioneers must pioneer, and in a wild new country you must begin by being ruthlessly tough with nature or you will yourself starve and die. Now Young New Zealand had no intention whatever of going under, once the colony was founded, and nature was subjugated with such vigorous elan that its conquest came near to being a massacre with disastrous long-term results that have only recently been fully realised.

one match may fire and burn a thousand acres of age-old native forest, carrying maybe a million pounds worth of superb timber—but if you happen to be a sheep farmer, what odds does that make when you have no immediate interest in trees and only want grass lands on which to pasture your flocks? When this was happening all over this lovely prodigal land it was not known that the rich finer grass covering the wood ash of the consumed forests would soon deteriorate and then disappear; it was not known how the destruction of the trees would change the climate, cause disastrous droughts and floodings and soil erosions, or how desperately an unforeseen timber famine would one day make them mourn the noble forests so short-sightedly sacrificed as a burnt offering to the sheep that was the settler's god. Much of the country has thus had its fertility and utility seriously diminished, whilst far more has been made relatively dull and uninteresting, as is now at last being generally realized.

THE PRESENT

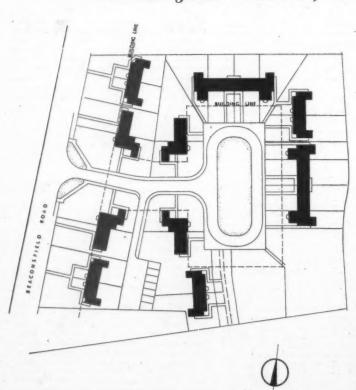
The modern New Zealander, intelligent and alert, is intensely proud of and interested in his own country and now, with his five-day, forty-hour week and holidays with pay—in short, leisure—and recently improved communications, is perpetually exploring it. In this he is much encouraged by his government, which takes a predominant part both in running popular tourist facilities of all sorts, and in the conservation of natural beauty through the establishment of National Parks and scenic and other reserves of wide variety and extent in all the wilder parts of the country. In positive, general town and country planning, New Zealand is at present far behind us at home, with our quite recent advances, but in linking up, as it has done, the question of long-term economic land-use with that of a new popular appreciation of landscape, it does seem to me to be setting a wise and realistic course whereby generations of New Zealanders as yet unborn should inherit a land yet more lovely and more fertile than at present and, even better, deserving their loyal affection. Here at least, Leisure, far from diminishing the landscape, may prove to be its only sure salvation.



Group on south-west corner of site.

HOUSING AT FARNHAM ROYAL, BUCKS FOR ETON RURAL DISTRICT COUNCIL

BY SIR JOHN BROWN, A. E. HENSON & PARTNERS



SITE PLAN

GENERAL.—These houses and flats at Farnham Royal are typical of a series of post-war housing projects contemplated by the Eton Rural District Council. Other projects are at Iver, Datchet, Burnham, Hedgerley, Farnham Common and Taplow. The schemes are scattered in comparatively small groups over a wide rural area, with the exception of a few large sites on the perimeter of Slough.

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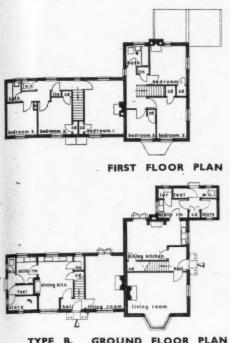
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living

The houses are mainly in pairs with some blocks of four, and small blocks of flats of duplex type.

Below, elevation of Type A.





GROUND FLOOR PLAN TYPE B.

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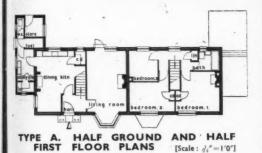
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[Scale: 24"=1'0"]

SITE.—Sites are mostly small in size, mainly in or adjoining villages so as to fit in to the existing village community.

CONSTRUCTION.—The houses are of traditional construction with ll-in. cavity walls and tiled roofs. The ground floors are surface concrete, covered with pitchmastic.

SERVICES .- Open coal fires in living room and main bed room.



Above, the porch. Below, left, the main front of type A. Below, right, type B.

Hot water supplied from a domestic boiler in kitchen. The general contractor for Farn-ham Royal was H. D. Bowyer.

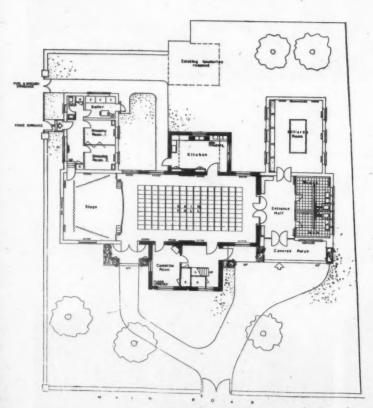






The entrance front.

COMMUNITY CENTRE AT CAVENDISH, BY ARTHUR M. FOYLE & HILTON WRIGHT SUFFOLK



GROUND FLOOR PLAN [Scale #"-1"0"]

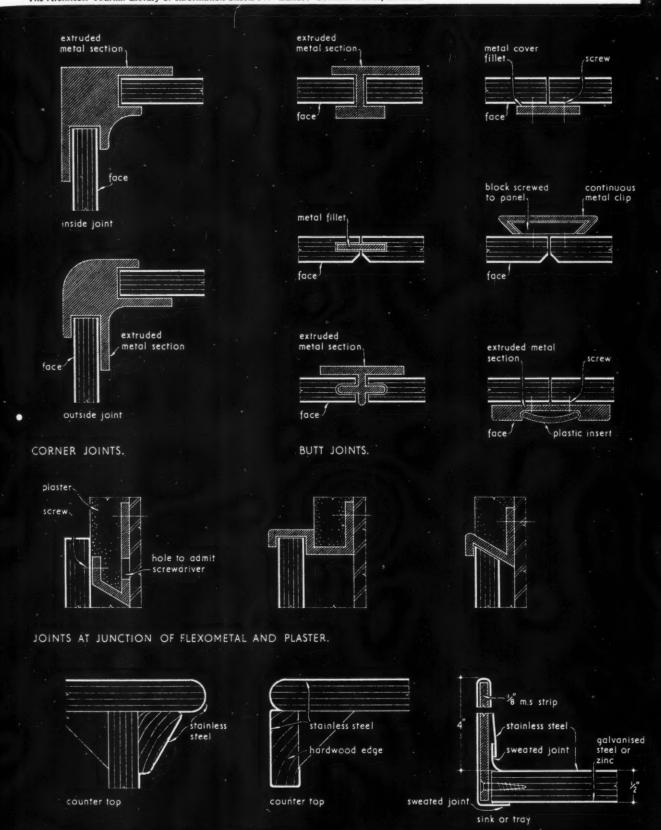
GENERAL-The hall, built in 1870, was originally the village school. It was purchased for £400 in 1946 from funds raised locally, and a management committee formed to convert it into a village hall and community centre. Existing accommodation being inadequate, it was decided to provide an entrance hall, men's and women's cloakrooms, billiards room, a stage and dressing rooms. The stage has been designed to be of a height equal to that of the existing hall: all other additional rooms have lower floor and ceiling heights. As the stage is an extension of the existing main hall, it has been decided that its elevational character should match the present Gothic revival building. All other additions are contemporary in design. The entrance doors are protected by an overhanging canopy under which is a tiled wall for notice boards. Two dressing rooms, 11 ft. by 9 ft., lead off the back stage corridor: they are separated by a folding screen allowing them to be thrown into one room for committee meetings.

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15.Z2

The Architects' Journal Library of Information Sheets 97. Editor: Cotterell Butler, A.R.I.B.A.



TYPICAL EXAMPLES OF BUILT-UP SECTIONS USING FLEXOMETAL AND SHEET METAL.

FLEXOMETAL: EXAMPLES OF PANEL JOINTING AND BUILT-UP SECTIONS. (scale: 4 full size) Manufacturer: Flexo Plywood Industries Ltd.

15.Z2 ·FLEXOMETAL·: PANEL JOINTING

This Sheet gives methods of jointing Flexometal (metal-faced plywood) panels and illustrates examples of built-up sections using Flexometal and sheet metal. Sheet 15.Z1 describes the material and illustrates standard edge finishes.

Corner Joints

The examples show the use of special extruded sections for forming internal and external corner joints.

Butt Joints

Six typical examples of butt joints are shown using extruded or flat metal sections to make and cover the joints.

Joints at Junction of Flexometal and Plaster

The examples show three alternative methods of jointing.

Built-Up Sections

A wide variety of purpose-made built-up sections using Flexometal and sheet metal for counter tops, skirtings, etc. can be manufactured to order. Three typical examples are shown.

Compiled from information supplied by:

Flexo Plywood Industries Ltd.

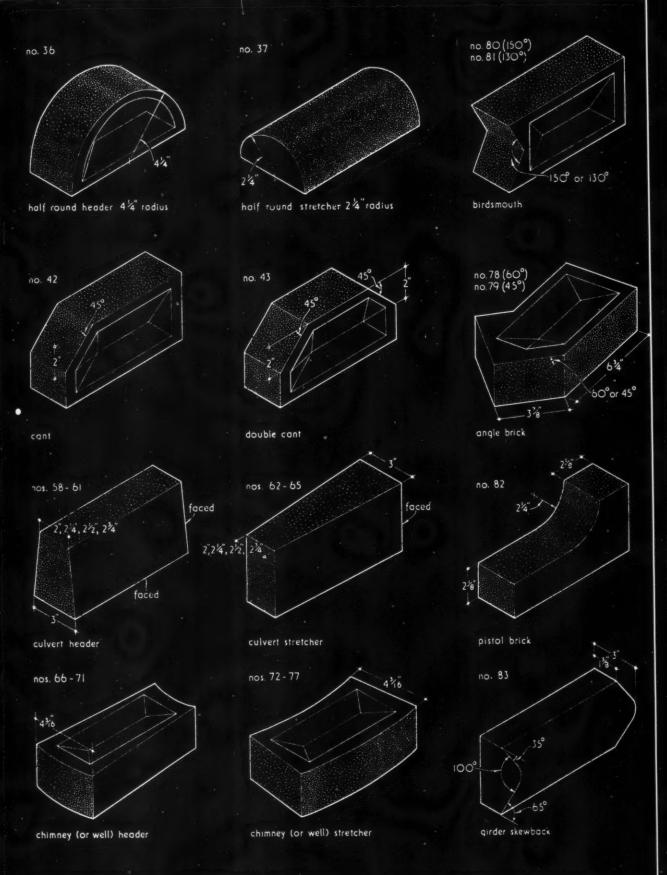
Address: Flexo Works, S. Chingford, London, E.4.
Telephone: Silverthorn 2666 (8 lines).
Telegrams: Flexoply, Phone, London.





BRICKS | CLAY COMMON | GENERAL DATA

The Architects' Journal Library of Information Sheets 98. Editor: Cotterell Butler A.R.I.B.A.



13.C12 · PHORPRES · BRICKS : STANDARD SPECIALS : 3. MISCELLANEOUS

This Sheet is one of a series dealing with Phorpres bricks and describes miscellaneous standard specials, e.g., half round headers and stretchers, cant, culvert, birdsmouth, etc. Sheet 13.C10 illustrates Phorpres bullnose standard specials and Sheet 13.C11 illustrates Phorpres squint and plinth standard specials.

Schedule of Miscellaneous Standard Specials

The following table gives the makers' number and description of the above standard specials. The quotation of the number is sufficient indication of the type required.

Makers	,									
Number			1)esc	ription	7				
36	Half	roun					dius			
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76		99	,,,		99	22	13 f	t.	99	99
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Maker. Numbe		Description
78	Angle brick	60°
79	" "	45°
80	Birdsmouth	150°
81	99	130°
82	Pistol brick	(circular corner)
93		back 3 in only

Sandfaced and Rusticated Finishes

All faces of standard specials required to be exposed are available sandfaced or rusticated. In those faces visible in the illustrations this is indicated by stippling.

This Series of Sheets on bricks and brickwork covers general data on, and applications of, common, facing, cellular and keyed bricks, hollow partition and floor blocks and rug face building blocks.

Compiled from information supplied by:

London	Brick	Company	Limited.

Africa House, Kingsway, London, W.C.2. Holborn 8282. Head Office: Telephone:

Telegrams: Phorpres, Westcent, London.

Midland District

Office: Prudential Buildings, St. Philip's Place, Birmingham, 3. Colmore 4141. Telephone:

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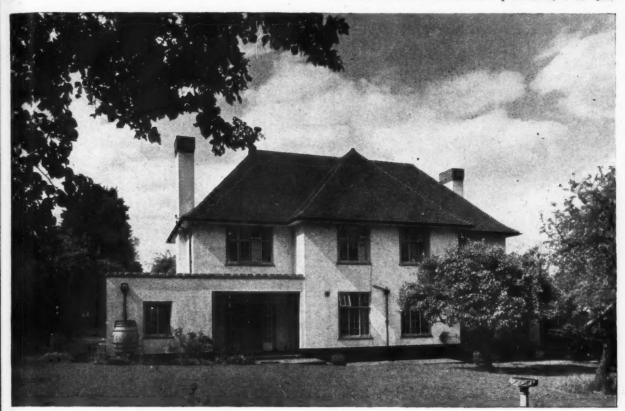
of 81

South Western

District Office: 11, Orchard Street, Bristol, 1. Telephone: Bristol 23004-5.

Northern District

Office: Gascoigne Street, Boar Lane, Leeds, 1. Telephone: Leeds 20771.



HOUSE AT GREAT BOOKHAM, SURREY

DESIGNED BY WILLIAM & EDWARD HUNT



Above, the south front.
Right, the entrance hall.
The staircase newels are
of stained and waxed
wak.

GENERAL.—The building of this house was commenced a few months before the outbreak of war and completed during the following twelve months. The elevations are simple and designed to be in keeping with the locality.

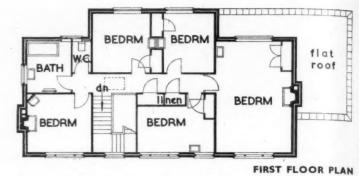
SITE.—This is rural and there are several trees on the site. An old boundary wall along the roadway, built of cleft flints, was retained with slight alterations to allow for two gateways. Cleft York stone paving was laid for pathways along the garden front, also for steps and some other parts as a commencement for the layout of the gardens.

CONSTRUCTION.—11 in. load-bearing cavity walls, rendered with a cream-coloured stucco. The roof is of handmade plain red tiles; windows are steel with wood mullions.

INTERNAL FINISH.—This was restricted owing to war conditions.

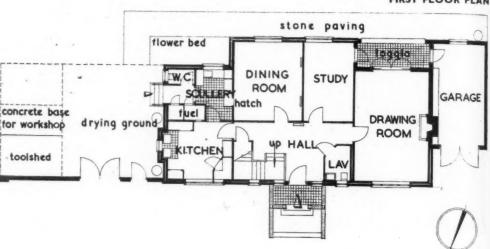
Floors mainly are oak boarding with some cork parquet and tiling. Walls are finished with distemper, and internal woodwork is painted.

The general contractors were Messrs. Andrew West & Son.

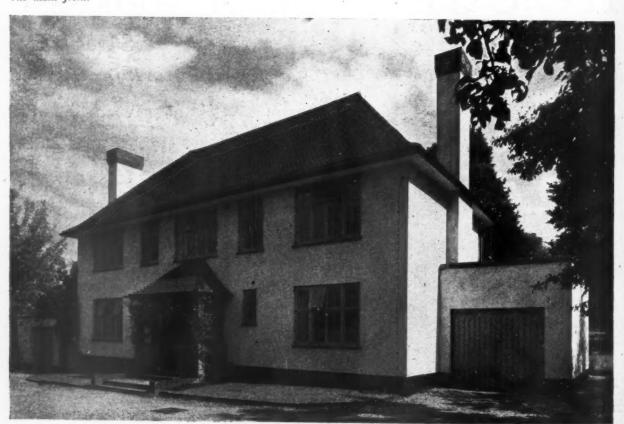


GROUND FLOOR PLAN

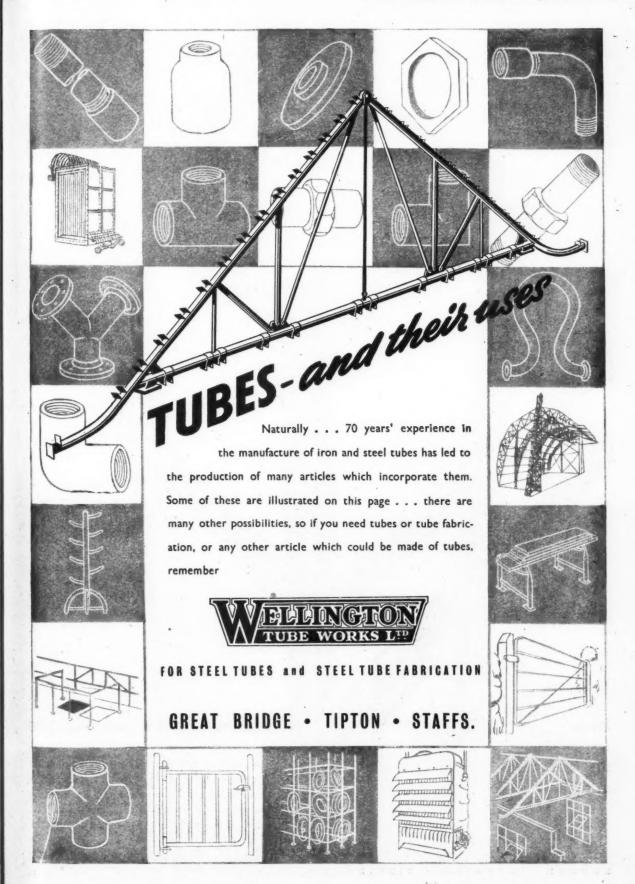
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The main front.



HOUSE AT GREAT BOOKHAM





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INFORMATION CENTRE · INFORMATION SHEETS QUESTIONS AND ANSWERS . CURRENT TECHNIQUE THE INDUSTRY . PRICES . TECHNICAL ARTICLES

TECHNICAL SECTION

A digest of current information prepared by independent specialists; brinted on one side of the paper only, to allow readers to cut out the items for filing and paste them up in classified order. Headings below.

INFORMATION CENTRE

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8 SURVEYING, SPECIFICATION. 9 DESIGN: General.

10 DESIGN: Building Types. 11 MATERIALS; General.

12 MATERIALS; Metal. 13 MATERIALS; Timber.

14 MATERIALS; Concrete. 15 MATERIALS; Miscellaneous.

17 CONSTRUCTION: General. 18 TCONSTRUCTION: Theory. 19 CONSTRUCTION: Details. 20 CONSTRUCTION: General. 18 TCONSTRUCTION: TON: TUNC. 25 WINDINGLATION, ACOUSTICS. 23 HEATING, VENTILATION. 24 LIGHT-ING. 25 WATER SUPPLY, SANITATION. 26 SERVICES, EQUIPMENT: Miscellaneous. 27 FURNITURE, FIT-INGS. 28 MISCELLANEOUS. EQUIPMENT: Miscellaneous. TINGS, 28 MISCELLANEOUS.

.50 planning : general TOWN PLANNERS' GLOSSARY

Petit Glossaire de l'Urbaniste en Six Langues (The Town Planner's Pocket Glos-sary in Six Languages). Gaston Bardet. (Editions Vincent, Fréal & Cie., 4, Rue des Beaux-Arts, Paris, France. 1948. Price not stated.)

Useful pocket dictionary of town planning, building, architectural, and housing terms in six languages prepared by distinguished French town planner. Some illustrations.

In an introduction in French the author gives his reasons for the compilation of this ossary as a means towards better international understanding of a recent and growing science. He states that numerous terms cannot be translated exactly from one language into another, and that, therefore, he paid particular attention to divergencies in meaning. Whereas visual documentation such as planning maps may provide some vague information, generally to be understood, they are nevertheless of no real value to technicians unless terms and descriptions can be translated into the relevant language.

Terms are given in French, English,
German Italian, Spanish, and Portuguese,
presented in six sections.

According to the progress of town planning in the various countries, translations are respectively more ample or more restricted. Illustrations are used in some instances where interpretation is particularly complicated. Documentation particularly complicated. Documentations der each language is in alphabetical order the cross references. Where straightwith cross references. forward translation is not feasible the terms are explained in greater detail from the point of view of the French user, which in certain instances may be a drawback for those who do not understand French. Otherwise this pocket glossary should prove most helpful.

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3.12 planning: regional and national MINING SUBSIDENCE

Report on Mining Subsidence. Institution of Municipal Engineers. (The Institution, 1947, published 1948. 5s.)

Informative report of an inquiry into damage arising from mineral subsidence in relation to highways and other property belonging to local authorities. Damage in selected coalfields. Types of damage. Town planning difficulties. Recommendations. Appendices. Maps and diagrams relating to coalfields.

The findings of the report are based on investigations undertaken in the coalfields of Staffordshire, Warwickshire, Northumberland, Durham South Wales, Monmouthshire, Kent, Derbyshire, Nottinghamshire, and Scotland. There is also an account of brine pumping in Cheshire. The collection of data was carried out to a general pattern of data was carried out to a general pattern surveying types, cause and extent of damage, together with the past and present working of the coalfield in question, ascertaining such geological factors as number of seams, depths, volume of pumping, etc. Remedial measures undertaken in the past, their average annual cost, and recommendations for further measures were other assesses for further measures were other aspects covered.

Widespread damage to buildings, roads, and bridges, sewers, waterworks, mains, and natural drainage outlets is reported from all the coalfields studied. In view of insufficient data on mining operations in the past and in the future it has proved increasingly difficult to plan intelligently land needed for general development and agriculture in areas of mineral workings. There are many cases in all mining areas where permission to develop has been refused by the Minister of Town and Country Planning. The Committee, therefore, recommends that in many such areas a time-phased plan, both of working the coal and future development when settlement is complete, can be developed, and alternatively that many such areas can without undue risk be developed by using reasonable structural precautions, avoiding building on faulted ground, and designing houses in short blocks, and public buildings of framed construction. Another planning problem difficult to be overcome is the question of the disposal of spoil, which should be subject to rigid control. Faulted ground should be used for playing fields and allotments. A special building code of practice should be prepared for mining areas.

There are four appendices to the report, each devoted to a paper by a specialist. They deal with mining subsidence in relation to the law, to the tasks of the municipal engineer, to local authority services, and with mineral subsidence in the Durham coalfield.

16.31 materials: miscellaneous COLOURED ASPHALT FLOORS

Coloured Mastic Asphalt Flooring (Limestone Aggregate). B.S. 1451: 1948. (British Standards Institution. 2s.)

Confined to red and brown flooring. Colour definition left to purchaser's agreement. Covers normal duty floors, quality of

materials, hardness, composition. Appendix gives recommendations for application.

The specification follows the usual lines in dealing with materials and quality. The appendix giving recommendations for application is included because there is not, at present, any code of practice for this. One of the recommendations states that while it is possible to lay a coloured asphalt directly upon a concrete base it is seldom that conditions are such as to make this procedure practical. It is recommended, therefore, that an isolating membrane underlay, such as sheathing felt, should be used.

17.33 construction: general FOUNDATIONS, SUBSTRUCTURES

Foundations and Substructures for Houses, Flats and Schools of not more than Two Storeys, BS C. of P. 101: 1948, (British Standards Institution, 2s.)

Design considerations and work on site.

Design considerations and work on site.

The draft of this code was referred to in No. 2200: 22.11.45. The code is confined to foundations carrying comparatively light loads as they occur in buildings of not more than two storeys, used as schools or for domestic purposes. The principles of design are based on recent developments in soil mechanics. The necessity of a thorough site investigation is emphasized and suggestions are made regarding the depth of foundations and permissible bearing pressures. Of particular interest are the considerations of the effect of seasonal weather changes in clay soil, of frost, and of mass movements of ground in unstable areas.

For the majority of buildings covered by For the majority of buildings covered by this code, strip foundations are satisfactory on most types of ground. The code also deals with special types of foundation among which raft foundations are of greatest importance. Their design requires considerable knowledge and care.

Recommendations relating to retaining walls not more than one storey high, which are connected to or form part of a building, and to tanking and damp-proofing of basements, are useful additions to the subject of foundations. An appendix contains a list of relevant BS.

20.84 construction: complete structures **BOX GIRDER BRIDGE**

Box Girder on Single Columns Supports Curved Bridge Deck. E. R. Foley and G. D. Gilbert. (Eng. News-Rec. (USA), June 10, 1948, pp. 942-3.)

Reinforced concrete bridge of unusual and attractive design in Niles Canyon, Calif.

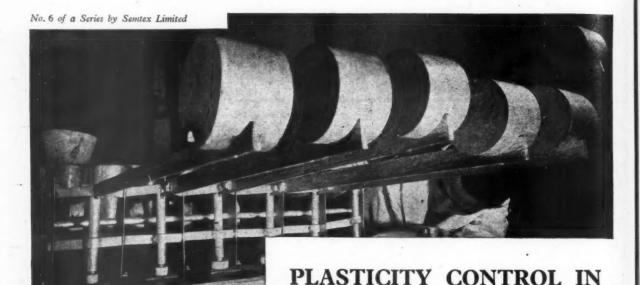
The road bridge of nearly 1,000 ft. length crosses diagonally a stream channel. This crossing consists of six 81½ ft, spans in a curve of 750 ft. radius which necessitated curve of 750 ft. radius which necessitated an 11 per cent. super-elevation of the deck. The piers are single cylindrical reinforced concrete columns of 7 ft. diameter at the top, supporting a line of single-cell box girders surmounted by a 26 ft. roadway that cantilevers out on both sides. The box girders have a depth of 9 ft. and a width of 6 ft. The web walls are 12 in. thick at the centre of the span, increasing to 28 in at the centre of the span, increasing to 28 in. at the pier. The height of the columns varies from 35 to 55 ft. The columns are tapered 1:48.

The circular piers, deep, narrow girders and the long overhang of the deck have an unusual and attractive architectural

22.23 sound insulation and acoustics BROADCASTING STUDIOS

Acoustic Problems in Studio Design. G. M. Nixon. (Electronics [USA], May, 1948, p. 86)

Survey of noise environment, permissible noise levels, insulation treatments, sound



FLOORING materials sufficiently hard to withstand successfully the moving loads of ordinary traffic may fail under prolonged point loading; a condition frequently encountered, and one which has received special consideration by the manufacturers of Semastic Decorative Tiles.

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constant pressure sustained over long periods can thus be accurately measured and the manufacturing process correspondingly corrected.

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The details of these methods of measurement are on the secret list, but this illustration of part of the Semtex laboratory equipment will serve to show something of the technical resources that lie behind the production of Semastic Decorative Tiles.*

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absorbents and their location. Very good article, illustrated.

This article summarises the valuable experience of the National Broadcasting Co. n the USA.

Insulation measures have to be designed to deal with such outdoor air-borne noises as thunder and aircraft, and such ground and air-borne noises as street traffic, trams and railways. Inside the building other tenants may have very troublesome sources of noise, such as printing presses, pumps and other kinds of machinery, and these must be surveyed before tenancy is arranged, because some of them-especially printing pressessome of them—especially printing presses may be impossible to insulate properly. Conversely, other tenants have to be con-sidered, because broadcasting noises may annoy them. Arrangements for restrictions on future tenants may have to be made,

A general survey of noises in the vicinity must therefore be made, and insulation designed to cope with them. Noises should be reduced in studios to the following levels

Wall insulation is described. The author likes clinker concrete because it doesn't have pronounced resonances (it is favoured in Britain for this reason too). Suggestion is made for two 6-in. clinker walls plastered, with 6 in. air space minimum between studios; two 4-in. leaves is said to be too The two 6-in. walls are said to give 60 db reduction, but British experience shows that, if handled properly, this construction would give far higher values. Reference is made to commercial insulation systems of resilient clips holding battens which receive a plastered surface; they are said to be reasonably efficient, but not very satisfactory below 100 c.p.s.

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The suggestion for ceilings is resilient suspended contruction, with slag wool lying on plaster; and for floors, clinker concrete screed with hard finish. He is indefinite about floating floors. Satisfactory doors about floating floors. Satisfactory doors are said to be 2½ in. solid, gasketted, and should be arranged double, with a vestibule lined with absorbents. Viewing windows should combine 4-in. and 1-in. glass, spaced well apart, and the reveal lined with well apart, and the reveal lined with absorbent. Details are given for treatment of ducts and machinery.

Absorbent linings for studios are described. Acoustic plaster is said to be too variable. Draperies, doubled, hung about 1 ft. from the wall, give good low-frequency absorption. Carpets are needed to reduce noise, especially around microphones, Porous especially acoustic tiles are not much liked because of their tendency to soil quickly, due to internal air and moisture movements. Also painting is said to reduce their efficiency more than was expected—in fact, by over half. Panels are mentioned and liked, but it is obvious that they do not understand them yet so well in America as in Europe. Walls generally should be serrated or curved, with absorbent areas distributed. Floors are probably best of lino. The peripheral area of a flat ceiling should not exceed about 4 ft. and should be broken up or made absorbent. Speakers' studios should have plenty of wall absorbents for low

24.93 lighting SHOP LIGHTING

Brightness Engineering. (Forum [USA], May, 1948, p. 178.)

Design in brightness, lighting of different textures, colour of light. Interesting and useful. Illustrated diagrams.

This is a write-up of the ideas of Kenneth Welch in the USA. A "philosophical" beginning gives a detailed description of American salesmanship as applied to "impulse" buying. It seemed odd before the war; now it is almost beyond us.

The main theme concerns "brightness engineering," which is essentially the arrangement of illumination so that the things which are intended to attract people are the brightest things in any view. arithmetic of it is that you multiply the intensity of light on an object by its reflec-tion factor, and this is brightness, in foot lamberts. Not that backgrounds can be ignored; they should in fact be "buoyantly" bright-but they must not be brighter, says the author, than the objects of attention, nor should they be contrasting. Brightness ratios of 3:1 are acceptable for backgrounds. "Glamour" lighting is con-

demned as distracting—a refreshing sign.

Textures are classified as specular, like silver, or diffuse, like cloth. For the former it is recommended that diffuse light should be used, and for diffuse surfaces, point lighting. British recommendation is usually to use a point source and a diffuse one Otherwise, silver lacks simultaneously. sparkle and cloth lacks brightness.

Artificial daylight is not recommended for shops. Instead, the colours of fluorescent tubes are chosen according to the things to be lighted. Thus, cool light keeps the tarnish from showing on silver and reduces mer-chandise maintenance. Other examples are given.

Some of the purposes of all this careful lighting may not appeal to British thinking, but there should be no under-estimation of the importance of the experience which goes into an article such as this.

24.94 lighting LUMINESCENT DECORATION

Lighting with Paint. (Forum [USA], June, 1948, p. 125.)

Character of fluorescent and phosphorescent paint, examples of decorative and safety uses. Very interesting, illustrated in colour.

There are some descriptive notes about the terms used and the materials. It is interest-ing to find that in the USA they are getting on with luminescent paints, and even putting the pigments into ink, paper, plastics and porcelain. The advantage of the luminescent paint is that it is very bright, being the source of light rather than a mere reflection of it, and American firms can now supply the paints so that their daylight colours are similar to their glowing colours. This opens the way to general decorative use. The pig-ments are compatible and can be mixed to give colours intermediate between the stan-

Luminescent paints are fluorescent and require ultra-violet light to actuate them. There are also phosphorescent paints with an afterglow of one hour or more, and it is noted that these are very useful for safety purposes, being visible in temporary and accidental black-outs.

A remarkable example is illustrated in which the whole ceiling of a large restaurant is painted with luminescent murals which are the sole source of light. The room is not very bright—about 0.5 foot candles—but when the eyes are adapted this is apparently comfortable.

26.32 services and equipment: miscellaneous REFRIGERATORS

of Vapour Compression Domestic Electric Refrigerators. BS C. of P. 324.403:1948. (British Standards Insti-

Capacity and sizes. Location. Ventilation. Electricity supply. Diagrams of inset types.

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.

QUESTIONS ANSWERS

2957 SOUND INSULATION

I am writing a thesis on sound insulavish to know of the latest recommendations which have been published.

A Sound Transmission in Buildings, by R. Fitzmaurice and W. A. Allen. Post-war Building Studies No. 14—Sound Insulation and Acoustics.

Housing Manual — 1944 — Technical

Appendices.

The above publications are available from HM Stationery Office, York House, Kingsway, London, W.C.2.

Thermal Insulation of Dwellings. Proposed New Methods of Construction—1946.

A typescript obtainable from the Ministry of Health.

Sound Insulation of Houses, Flats and Schools. Code of Practice 3, Chapter III—1948. Obtainable from the British Standards Institution, 28, Victoria Street, London, S.W.1.

There are also available in the Library of the Royal Institute of British Architects, 66, Portland Place, London, W.1, publica-tions on the subject from the USA Department of Commerce. These are similar publications to BS and are called Building Materials Standards.

PRICES

This regular feature, prepared by Davis, Belfield and Everest, Chartered Quantity Surveyors, summarises basic prices for materials and gives labour rates for the London District and Grade Classifications outside

London. In the past, prices for materials have been expressed as a percentage over pre-war rates. This practice is no longer being continued as it is felt that pricing by reference to pre-war standards can now be considered obsolete. Detail prices of materials are given quarterly.

	BASIC PRICES AND RATES OF WAGES, 1948							
BASIC MATERIALS	Jan.	Feb.	March	April	May	June	July	August
Portland cement (6 tons and over) per ton Paper bags 2-in. unscreened ballast per yd. cu. Fletton bricks (at station) per 1,000 Stoneware drain pipes (British Standard, 2 tons and over). Standard list + per 1,000 Steel joists (basic sections ex mills) per ton Lime greystone	60/6 11/- 14/5 73/- 42½% 90/-+ 100% £17 8s. 84/9	60/6 11/- 14/5 73/- 42½% •90/-+ 110% £17 13s. 84/9	60/6 11/- 14/5 73/- 42½% 90/-+ 110% £17 16s. 6d 84/9					
Sheet lead (5 cwt1 ton lots) ,, Iron rainwater goods and soil pipes.	£107 10s.	£107 10s.	£107 10s.	£107 10s.	£107 10s.	£107 10s.	£107 10s.	£107 10s.
White lead paint List 3100AB + per gallon	70% 43/3	70°/ 43/3	70% 42/9	70% 42/9	70% 42/9	70% 42/9	70% 42/9	70% 42/3
RATES OF WAGES (LONDON)— Within 12 miles radius Craftsmen per hour Labourers	2/10½ 2/3¾	2/10½ 2/3¾	2/10½ 2/3¾	2/10½ 2/3¾	$\frac{2/10\frac{1}{2}}{2/3\frac{3}{4}}$	2/10½ 2/3¾	2/11* 2/4*	2/11 2/4
Craftsmen ,,	2/10 2/3‡	2/10 2/31	2/10 2/3½	2/10 2/3‡	2/10 2/31	2/10 2/31	2/10½* 2/3¾*	2/10k 2/34

Prices of materials above include for delivery to site in the Central London Area, and the rate of wages are for London only.

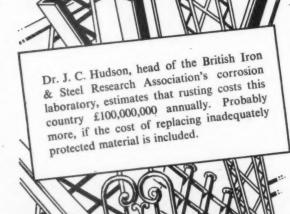
Current rates of wages outside London are as follows: Liverpool and District, Craftsmen 2/11; Labourers 2/4.

This increase took effect from beginning of pay week next following July 11, 1948.

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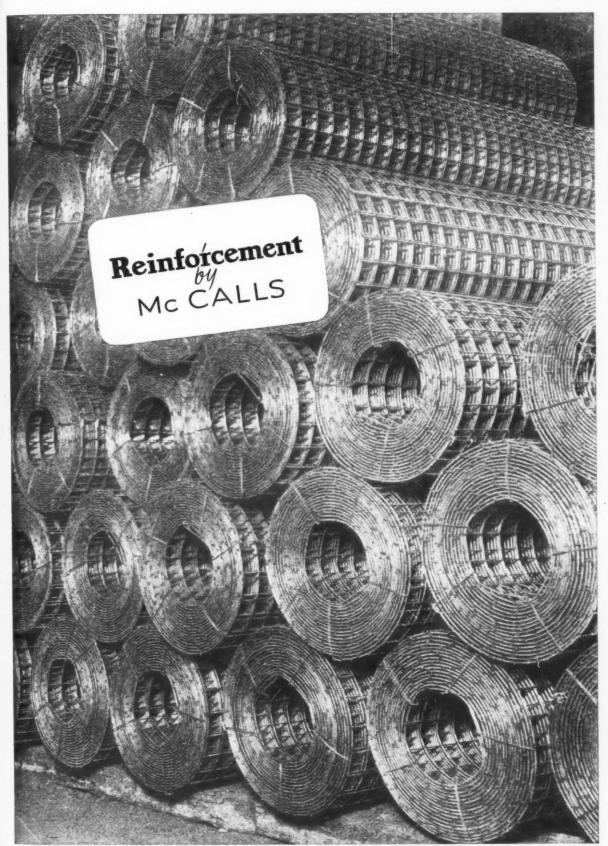
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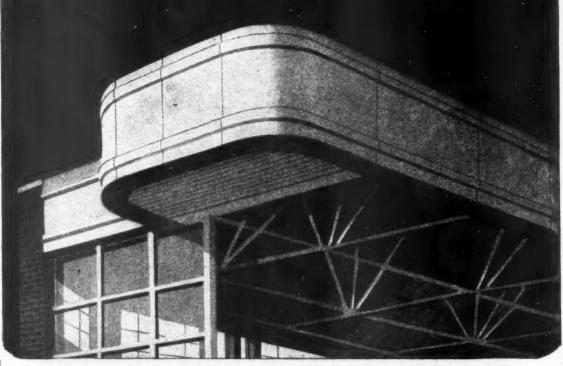


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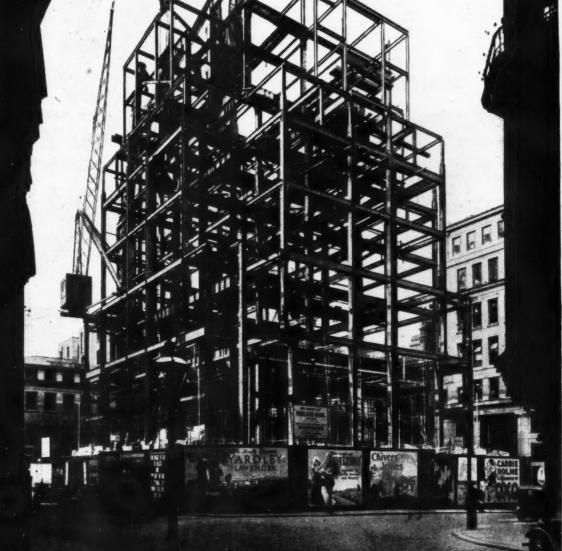


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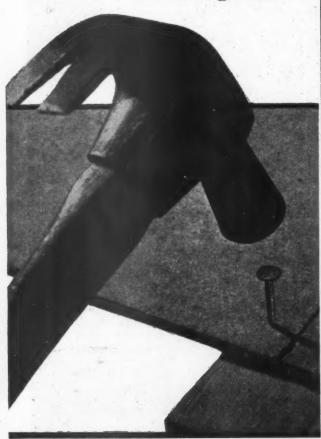
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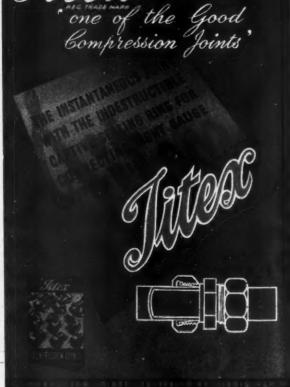
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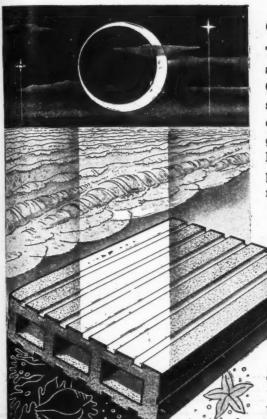


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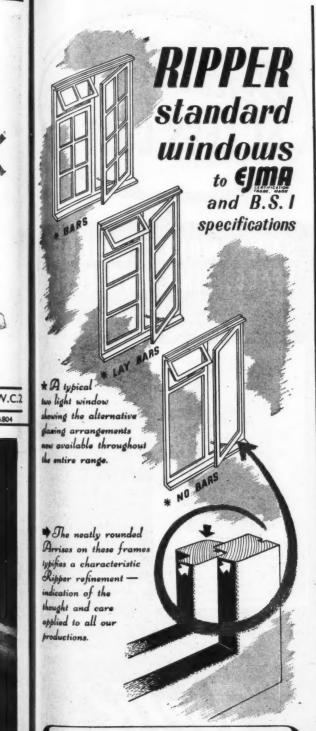
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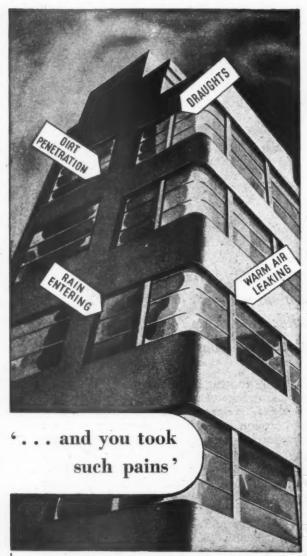
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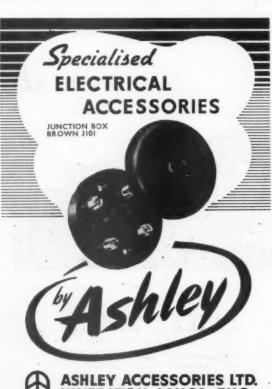
standardisation of drafting practice throughout an individual office. Copies of the Sheets will be sent, as they become available, to those who desire them.

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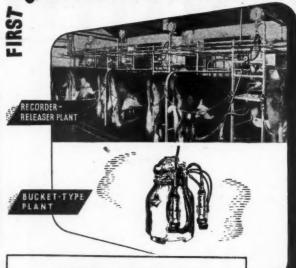
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paper.
Replies to Box Numbers should be addressed
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ears of "The Architects' Journal," at the adaress sism above.

None of the vacancies in these columns relater to a man between the age of 18 and 50, incusive or a woman between the age of 18 and 40 inclusive, unless he or she is excepted from the grevisions of the Control of Engagement Order, 50ft, or the vacancy is for employment excepted from the provisions of that Order.

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LONDON COUNTY COUNCIL.

ROUSING AND VALUATION DEPARTMENT.

ARCHITECTURAL ASSISTANTS. Applications are invited for positions of Architectural Assistant, at salaries of up to 2580 a year. Commencing sasaries will be determined according to qualifications and experience, and qualified candidates will be eligible for appointment to the persanent staff of the Department on the occurrence of vacancies. Engagement will involve Supersanation contributions at the rate of 6 per cent of salary.

sanation contributions at the rate of a per cent salary.

Saccessful candidates will be required to undertake the design, layout, and preparation of working drawings for housing schemes (cottages and miti-storey flats), and will be employed in the Hussing Architect's division.

Forms of application may be obtained from the Director of Housing, The County Hall, West-minster Bridge, S.E.1 (stamped addressed sooisap envelope required). Canvassing disqualfies. (270)

BOROUGH OF WORTHING.

BOROUGH ENGINEER'S DEPARTMENT.
APPOINTMENT OF TOWN PLANNING
ASSISTANT.

Applications are invited for the appointment of a TOWN PLANNING ASSISTANT at a salary in accordance with Grade IV of the National Scale of Salaries, £480-£525 per annum, consolidated. Applicants should have had a good general training in either Architecture, Engineering or Surving, and have had previous Town Planning experience in a municipal office—particularly with regard to the examination of deposited plans and development control. Preference will be given to candidates who hold a recognised planning qualification. The appointment will be subject to one month's notice on either side and to the provisions of the Local Government and Other Officers Superannuation Act, 1937, and the successful applicant will be required to pass a medical examination for entry to the Corporation's service. Applications, stating age, qualifications, experience, previous and present appointments, and accompanied by copies of three recent testimonials, should be delivered to P. E. Harvey, ERN EST G. TOWN SEND.

Town Hall, Worthing.

1634

Town Hall, Worthing. 18th August, 1948.

COUNTY BOROUGH OF DERBY.
APPOINTMENT OF CHIEF PLANNING
ASSISTANT.
Applications are invited for the appointment
of CHIEF PLANNING ASSISTANT in the Town
leaning Department of the Borough Engineer
Surveyor's Office. Salary in accordance with
Grade VIII of the A.P.T. Scales (2685—£760).
Candidates should be A.M.T.P.I. and hold a
basic professional qualification (preferably
A.B.I.B.A.) and have had considerable experience
in modern planning technique.
Preference in this appointment will be given
to a person who is experienced in the planning
of new development and re-development schemes
in urban areas, for which work he will be
primarily responsible and in which there is
considerable scope.
Conditions of service are those formulated by
the National Joint Council, and the appointment
is subject to the provisions of the Local Government Superannuation Act, 1937, and the successful candidate will be required to pass a medical
examination.
The appointment will be terminable by one

ful candidate will be required to pass a memora-examination.

The appointment will be terminable by one ment's notice on either side.

Applications, appropriately endorsed, together with three recent testimonials, should be sent to M. L. Francis, F.R.I.C.S., M.I.Mun.E. Borough Ragineer & Surveyor, The Council House, Corporation Street, Derby, not later than 16th September, 1948.

poration Street, Derby, not later the dis-tember, 1948.
Canvassing, directly or indirectly, will be a dis-qualification, and candidates should state whether they are related to any member or senior official of the Council.

C. ASHTON,

CTS

N.I

C. ASHTON, Town Clerk. Town Clerk's Office, The Council House, Derby. August, 1948.

MUNICIPALITY OF UMTALI.

VACANCY: TOWN PLANNING OFFICER.

Applications should be submitted in duplicate and one cepy despatched so as to reach me not later than noon of 18th day of September, 1948; the remaining copy should be posted at the same time to P. M. Aldred, Esq., c/o Rhodesia House. The Strand, London, W.C.2.

The salary grade for the position is £759×£33—£924 per annum, but the commencing salary may be higher than the minimum of the grade (in any case not exceeding two steps in such scale) in accordance with the qualifications and/or experience of the successful applicant. In addition, a cost-of-living allowance at rates laid down by the Council from time to time will be paid. At present this amounts to £134 per annum on the minimum and £150 per annum on the maximum of the grade; plus, in the case of married persons, a children's allowance at the rate of £30 per annum for the first child and £24 per annum for each subsequent child.

Applicants must have passed the Final Examination of the Town Planning Institute, and preference will be given to applicants holding one or more of the following additional qualifications:—

Associate of the Royal Institute of British

Associate of the Royal Institute of British Architects. Testamur Examination of the Institution of Municipal Engineers.
Final Examination of the Royal Institute of Chartered Surveyors, or University Degree in one of the above subjects.
Applicants must have had at least three years' experience of Town Planning work, preferably in Urban Areas, and should be conversant with local authority procedure and practice. They should have had experience in preparatory survey and investigation work for Statutory Planning Schemes, preparation of such schemes, and Interim Development Control and administration.

Schemes, preparation of such schemes, and Interim Development Control and administration.

Applicants should submit full details of age, specific nationality, health, marital status, previous experience, qualifications, military service, present appointment, and should submit certified copies of testimonials from past employers.

The successful applicant will be required to serve a probationary period of six months, thereafter he will be eligible for appointment to the fixed establishment, and if so appointed he will be required to contribute to the Council's Superannuation Fund.

Applicants are advised that their present Superannuation Contributions are not transferable to the Council's Superannuation Fund.

If the successful applicant is married a Municipal house will be available on a rental basis.

The Council will contribute the following amounts towards the cost of sea passages ex-United Kingdom:—

Man and wife, £50 each.

Children under 16 years: 1st child, £20; remaining children, £10 each.

Should the successful applicant resign within a period of three years from date of appointment certain proportions of the above amounts will be refundable to the Council.

Salary will be admissible from the actual date of embarkation, although the date of appointment will be held for all other purposes to be the date upon which duties are actively assumed.

A satisfactory medical certificate on the Council's prescribed form must be produced before the commencement of duty.

In regard to any points not mentioned in this advertisement the successful applicant will be a disqualification.

G. F. CLARK,

Town House, Umtali, Southern Rhodesia.

G. P. CLARK,
Town House, Umtali, Southern Rhodesia.

COUNTY BOROUGH OF HALIFAX.

APPOINTMENT OF ASSISTANT ARCHITECT
(EDUCATION).

Applications are invited for the above appointment in the Borough Engineer's Department at a salary in accordance with Grade V of the National Scales. (£520 rising to £570 per annum)

annum).

The successful candidate, who should possess appropriate qualifications, will be engaged principally on the design and erection of new schools. The position is a superannuated one. Applications, stating age, qualifications, present position and salary and experience, and accompanied by copies of recent testimonials, and appropriately endorsed, should be delivered to the undersigned not later than Saturday, 11th September, 1948.

R. de Z. HALL, Esq.,

R. de Z. HALL, Esq., Town Clerk.

Town Hall, Halifax 16th August, 1948.

CLERK OF WORKS-ENGINEER required by Hexham and District Hospital Management Committee. The position will entail responsibility for all building and engineering maintenance at the eight hospitals within the Group, together with the supervision of the staff engaged on this work. Applicants should have had extensive experience in similar work. Commencing salary will be between £550 and £635, according to qualifications and experience.

oetween 2500 and 2505, according to qualifications and experience.

Applications, with details of experience and the names of three referees, should be received by the Secretary, Hexham General Hospital, Hexham, ten days after the appearance of this advertisement.

CRAWLEY DEVELOPMENT CORPORATION require: (a) TWO ARCHITECTS with a salary range of £750-£1,000; (b) TWO ASSISTANT ARCHITECTS with a salary scale of £550×£30-£750. The commencing salary within the range and scale will be determined by the qualifications, age and experience of the applicants. These appointments are to fill vacancies in the planning and design units of the Chief Architect's Department at Crawley. Applicants should have first class experience in design of housing, industrial buildings, public buildings, etc., and must be fully qualified. Town planning experience would be an advantage. Contributory superannuation (with the choice of entering a fund under the Local Government Superannuation Act, 1937) will be provided. Apply by letter only, stating (a) Name and Address; (b) Age; (c) Married or single; (d) Present post and salary; (e) Post now applied for and salary required; (f) Notice required to terminate present appointment; (g) Education; (h) Qualifications; (i) Particulars of experience; (j) Names and addresses of three persons to whom reference may be made concerning the applicant's professional ability, to the Chief Architect, Mr. A. G. Sheppard Fidler, M.A., B.Arch., A.R.I.B.A., A.M.T.P.I., Broadfield, Crawley, Sussex, by 9th September, 1948.

C. A. C. TURNER.

COUNTY BOROUGH OF BOURNEMOUTH.

COUNTY BOROUGH OF BOURNEMOUTH.
BOROUGH ENGINEER'S DEPARTMENT.
Applications are invited for the following appointments in the Town Planning Section.

(a) One SENIOR PLANNING ASSISTANT, Grade A.P.T. VI, £595-£560 per annum.
Applicants should have good experience in Civil Engineering and Town Planning, and the holding of a Civil Engineering, Surveying, and/or Town Planning qualification will be an advantage.

Town Planning qualification will be an advantage.

(b) Two PLANNING ASSISTANTS, Grade A.P.T. IV, £480—£525 per annum.

(c) One PLANNING ASSISTANT, Grade A.P.T. II, £420—£455 per annum.
Applicants should have good experience in one or more of the following:—Development Control; Sociological or other Basic Survey Work; or Planning and Architectural experience in connection with redevelopment schemes. The holding of a Civil Engineering, Surveying, Architectural, and/or Town Planning qualification will be an advantage.

tural, and/or Town Planning qualification will be an advantage.

(d) Two PLANNING ASSISTANTS (General Division, salaries according to age, max. £385). Appointments will be terminable by one month's notice in writing on either side, and subject to the provisions of the Local Government Superannuation Act, 1937, and the National Scheme of conditions of service, the standing orders and other regulations of the Council in force from time to time. The selected candidate must pass a medical examination.

Applications appropriately endorsed, stating age, qualifications, experience, past and present appointments, and accompanied by three testimonials, should reach me not later than 17th September, 1948.

Canvassing will disqualify.

A. LINDSAY CLEGG, Town Clerk. Town Hall, Bournemouth.

EAST BARNET URBAN DISTRICT COUNCIL.
ENGINEER & SURVEYOR'S DEPARTMENT.
Applications are invited for the following permanent appointments.
(a) CHIEF ARCHITECTURAL AND TOWN PLANNING ASSISTANT, at a salary in accordance with Grade VI of the A.P.T. Division of the National Joint Council's Scale (£595-£660) plus the appropriate London Weighting and Car Allowance for a 10-h.p. Car or under, also in accordance with the National Scale.
Applicants should hold an Architectural and/or Town Planning qualification by examination, and preference will be given to these having previous experience in similar work with a Local Authority.

preference will be given to these having previous experience in similar work with a Local Authority.

(b) DRAUGHTSMAN (MALE OR FEMALE) at a salary in accordance with the General Division of the National Joint Council's Scale. For Males, according to age, rising from £135 per annum at age 16 to a maximum of £988 at age 33, plus the appropriate London Weighting. For Females, according to age, rising from £108 per annum at age 16 to a maximum of £908 at age 32, plus the appropriate London Weighting. Applicants should have had previous experience in a drawing office of a Local Authority or private firm.

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

Form of Application and Conditions of Appointment may be obtained from the undersigned, to whom completed applications should be returned by not later than Friday, 10th September, 1948.

Canvassing, directly or indirectly, will disqualify.

C. M. BARNES, O.B.E.,
M.I.Mun.E., F.R.S.I.,
Engineer and Surveyor

Town Hall, Station Road, New Barnet, Hertfordshire.

COUNTY BOROUGH OF NORTHAMPTON. BOROUGH ARCHITECT'S DEPARTMENT. Particulars of the following appointments and forms of application, which must be returned by 14th September, 1948, may be obtained from the understigant. signed. ASSISTANT ARCHITECT, A.P.T. IV-V

(a) ASSISTANT ARCHITECT, A.F.T. IV-V (£480-£570). Applicants should have had considerable experience in design, construction and specification writing in connection with Schools, Housing and General work.

(b) ASSISTANT ARCHITECT, A.P.T. III (£450-£495). Applicants should have had considerable experience in design, construction and specification writing.

(c) ARCHITECTURAL ASSISTANT, A.P.T. V (£390-£435).

(£2590-£435).
Applicants should have had good general experience in the preparation of working drawings and details.

C. E. VIVIAN ROWE, Town Clerk. 1592

Guildhall, Northampton.

BOROUGH OF TORQUAY.

APPOINTMENT OF TEMPORARY ASSISTANT QUANTITY SURVEYOR.

Applications are invited for the above post, in the Borough Surveyor's Department, at a salary in accordance with A.P. and T., Grave II, of the National Scale of Salaries (£420-£15-£465) per appure.

Applicants should be suitably qualified and experienced in taking off, measuring works in progress, and settling final accounts.

The appointment is temporary, determinable by one month's notice on either side.

Applications, giving details of age, education, qualifications, technical training and experience, together with copies of three testimonials, should be sent to the Borough Surveyor, Town Hall, Torquay, not later than Monday, 13th September, 1948.

than Monues,
T. ELVED WILLIAMS,
Town Clerk.
1645

Town Hall, Torquay

CITY OF OXFORD.
CITY ARCHITECT'S DEPARTMENT.
Applications are invited for the undermentioned
posts on the Staff of the City Architect's Depart-

nent:—
(1) ASSISTANT QUANTITY SURVEYOR.
Grade Va, A.P.T. Division. Salary, £550×£20—
£610 per annum.
Preference will be given to applicants who have passed the Final Examination of the Royal Institution of Chartered Surveyors (Quantities Section), and they must be capable of and have considerable experience in taking off Bills of Quantities, Site Measurement, valuations for Certificates, preparation of estimates, adjustment of variations and settlement of Final Accounts.

(2) ASSISTANT ESTATES SURVEYOR. Grade IV. A.P.T. Division. Salary, £480×£15—£625 per annum.

and settlement of Final Accounts.

(2) ASSISTANT ESTATES SURVEYOR. Grade IV, A.P.T. Division. Salary, £490×£15-£225 per annum.

Preference will be given to applicants who have passed the Intermediate or Final examination of the Royal Institution of Chartered Surveyors (Estate Management Section) or equivalent. They should have experience in the valuation of land and proporty and its acquisition by regotiation and compulsory purchase, and also in the leasing of buildings and land. A sound knowledge of recent legislation, including the Town and Country Planning Act, 1947, is desirable, and a good opportunity for advancement éxists.

(3) TWO ARCHITECTURAL ASSISTANTS. Grade III, A.P.T. Division. Salary, £450×£15-£495 per annum.

Grade III. A.P.T. Division. Salary, £450×£15— £495 per annum.

Applicants will be required to carry out varied architectural duties on Schools, Housing and Public Buildings.

(4) TWO ARCHITECTURAL ASSISTANTS. Grade I. A.P.T. Division. Salary, £390×£15— £435 per annum.

Applicants will be required to carry out elementary work on Schools, Housing and Public Buildings, and skilful and speedy draughtsmanship will be required.

(5) TEMPORARY ASSISTANT ARCHITECT. Grade Va, A.P.T. Division. Salary, £550×£20—£610 per annum.

Applicants should be members of the R.I.B.A., and experience in either Housing or Education work is required.

and experience in either Housing or Education work is required.

THE COUNCIL WILL, IP REQUIRED, MAKE HOUSING ACCOMMODATION AVAIJABLE FOR THE SUCCESSFUL APPLICANTS FOR POSTS 1. 3. 4 NND S. AND IT MAY BE POSSIBLE TO ASSIST THE PERSON APPOINTED UNDER POST NO. 2. IN FINDING HOUSING ACCOMMODATION.

The appointments, except No. 5, will be to the Permanent Staff, and will be subject to the National Conditions of Service, the Local Government Superannuation Act. 1937, and the successful candidates will be required to pass a medical examination.

candidates will be required to pass a medical examination.

Further details of the duties and application forms, which must be used in applying for the posts, may be obtained from F. G. Chandler, A.R.I.B.A., A.M.T.P.I., City Architect, Town Hall, Oxford.

Applicants must clearly state for which post they wish to apply when writing for forms, and these forms must be returned to the City Architect not later than first post Monday, the 20th September, 1948.

HARRY PLOWMAN.

Town Hall, Oxford.

HARRY PLOWMAN.

EAST SUSSEX COUNTY COUNCIL.

Applications are invited for the following appointments:—

(a) A CHIEF ASSISTANT COUNTY PLAN-NING OFFICER, with salary within a grade, according to experience, of £860 per annum, rising by annual increments of £50 per annum, rising the presons who also possess a recognized qualifications and experience. Candidates for appointment (a) must be Corporate Members of the Town Planning Institute, and preference will be given to persons who also possess a recognized qualification in architecture, civil engineering or surveying. They must have had extensive planning experience in both urban and rural areas, including the preparation of detailed plans for development areas and in administration. Whilst the successful candidate will be required to act generally as Chief Assistant to the County Planning Officer and Deputy, his most important immediate duties will be in connection with the preparation of the Survey and Development Plan for the County.

Travelling and subsistence allowances in accordance with the scales approved by the County Council from time to time will be payable in addition to the salary.

Candidates for appointment (b) should be expert draughtamen and colourists, and be able to undertake the revision of Ordnance Survey maps. Previous experience in a planning office is desirable, but not essential.

The appointments, which are terminable by one month's notice on either side, are superannuable, and a candidate to be successful rust pass a medical examination to the satisfaction

County Hall, Lewes. 20th August, 1948.

County Hall, Lewes.

20th August, 1948.

1644

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
selected and the construction of multi-storey dwellings, at consolidated salaries of up to £50 a year,
than commencing salary each case being determined according to business the selected of the coniribute to the Council's Buperannation and Provident Fund, and will be eligible for appeintment to, the Council's Buperannation and Provident Fund, and will be eligible for appeintment 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 ollis; measurement and adjustment of
sub-contracts; preparation of cost statistics,
estimates, etc.

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

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.

Country Borgough Op Doncaster.

BOROUGH SURVEYOR AND WATER

ENGINEER'S DEPARTMENT.

Applications are invited for the following
appointments:—

(a) SENIOR BUILDING WORKS ASSISTANT,
at a salary in accordance with Grade V of the

ENGINEER'S DEPARTMENT.
Applications are invited for the following appointments:

(a) SENOR BUILDING WORKS ASSISTANT, at a salary in accordance with Grade V of the A.P.T. Division of the National Scales (£520, 1987) was an annual increments of £15 and one of £20 to £570 per annum).
Applicants must have had architectural experience, and be capable of preparing drawings, quantities, and estimates for all types of building works. Architectural or building qualifications will be considered an advantage and the considered an advantage and the A.P.T. Division of the National Scales (£450, Applicants must have had considerable experience in ordering huilding materials, licensing procedure, and should have had some experience in taking off building quantities. Previous experience in a builder's office in a similar capacity will be considered an advantage.

The above appointments will be subject 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, qualifications and experience, accompanied by copies of recent textimonials, must be delivered to the Boroug Surveyor and Water Engineer's Office, 2. Priory Place, Doncaster, not later than Tuesday, the Town Clerk.

H. 9. ESSENHIGH HIGH. Town Clerk. 1671

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COUNTY COUNCIL OF THE WEST RIDING
OF YORKSHIRE
COUNTY PLANNING DEPARTMENT.
Applications are invited for the following permanent appointments to the staff of the County
Planning Department:
(a) SENIOR PLANNING
(salary scale £256 × £25-£710 per annum).
Applicants should be Corporate Members of the
Town Planning Institute or possess a recognized
qualification in Civil Engineering, Surveying of
Architecture, and have had considerable experence in a Planning Office.
(b) PLANNING ASSISTANTS (salary scale
£450 × £20-£570 per annum).
Applicants should have received training in
Town Planning, Civil Engineering, Surveying or
Architecture, should have had previous planning
experience and preferably be Corporate Members
of one of the appropriate Institutions for the
professions named. Consideration will however,
be given to applicants who possess a University
Degree in Economics, Geography, or allied
subjects.

The above appointments will be subject to

Degree in Economics, Geography, or allied subjects.

The above appointments will be subject to the provisions of the Local Government Superamantion Act, 1937, and successful applicants will be required to pass a medical examination.

Successful applicants will be assigned for duties at one of the County Area Planning Offices in Atrarogate, Huddersfield and Doncaster, and applicants may indicate a preference for any of these places.

places.

Applications, stating age, qualifications and experience, and accompanied by copies of two recent testimonials, should be received by the undersigned not later than the 18th day of September, 1948.

tember, 1948.

ARTHUR BATES.

County Planning Officer.

County Planning Officer.

Street. Wakefield.

ARTHUR BATES.

Lips County Planning Officer.

Street, Wakefield.

Street, Wakefield.

BOROUGH OF DAGENHAM
CHIEF HEATING AND ELECTRICAL
ENGINEERING ASSISTANT.
The Council invite applications for this appointment, Grade V, £520.£570 p.a., plus London weighting. Candidates must be members (by examination) of either (preferably both) the Institute of Heating and Ventilating Engineers, at the Institution of Electrical Engineers. Application forms and full particulars are obtainable from the Borough Engineer. Clesing date 27th September, 1948. Canvassing disqualifies. The Council are unable to offer housing accommodation.

KEITH LAUDER, Town Clerk.

Civic Centre, Dagenham.

Civic Centre, Dagenham.

Town Clerk

NORTHUMBERLAND COUNTY COUNCIL

COUNTY PLANNING DEPARTMENT.

Applications are invited from persons with suitable qualifications for the appointment of PLANNING ASSISTANT, at a salary in accordance with Grade III (A.P.T.) of the National Joint Council's Scale of Salaries (245-2495).

The appointment (which is a whole-time one will be subject to the National Scheme of Conditions of Service, to the provisions of the Losal Government Superannuation Act, 1937, and to three months' notice on either side, and the successful candidate will be required to pass a medical examination to the Council's satisfaction.

Applications, on forms to be obtained from the undersigned, must be submitted not later that the 11th September. 1948.

E. P. HARVEY.

Clerk of the County Council.

County Hall, Newcastle-upon-Tyne, 1.

County Hall, Newcastle-upon-Tyne, 1 168
BOROUGH OF EALING.
BOROUGH ENGINEER AND SURVEYOR'S
DEPARTMENT.
Applications are invited for the permanent appointment of an ARCHITECTURAL ASSISTANT, at a salary in accordance with Grade vof the scales of the National Scheme of Conditions of Service (commencing at £520 per annum, rising to £570 per annum, plus £30 London "weighting"). Applicants must be Associate Members of the Royal Institute of British Architects, preferably with Municipal experience.
The Council is unable to provide housing accommodation for the successful candidate.
Form of application, together with Conditions of Appointment, may be obtained from the Borough Engineer and Surveyor, Town Hall Ealing, Wiand must be returned to me not later than the 13th September, 1948.

E. J. COPE-BROWN.
Town Hall, Ealing, W.5.

Town Hall, Ealing, W.5.

Town Hall, Ealing. W.5.

UNIVERSITY OF DURHAM.

KING'S COLLEGE. NEWCASTLE-UPON-TINE DEPARTMENT OF ARCHITECTURE.

The Council of King's College invite applications for the post of LECTURER IN ARCHITECTURE.

The salary rises by annual increments of £5 to a maximum of £50 and the initial salary. Which, In 227 ease, will not be less than £70, will be fixed at a point on that scale in accordance with the qualifications and experience of the successful candidate. Duties to commence as soon as possible.

Only one copy of application will be required in the first instance and this, together with the names of three persons to whom reference may be made, should be addressed not later than 304 September to the undersigned, from whom further particulars may be obtained.

Registrar of King's Collegications.

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of £25 salary, n £700, accord-ence of ence as

College.

CHICHESTER RURAL DISTRICT COUNCIL ENGINEER AND SURVEYOR'S DEPART-MENT.

ENGINEERING AND PLANNING ASSISTANTS.
Applications are invited for the following appointments:—
(a) CHIEF ENGINEERING AND SURVEYING ASSISTANT (Permanent). Grade VI (£596 to £660).

(a) CHIEF ENGINEERING AND SURVEY.
ING ASSISTANT (Permanent). Grade VI (£595 to £660).
(b) SENIOR PLANNING ASSISTANT (Permanent). Grade Va (£550 to £610).
(c) ENGINEERING AND SURVEYING ASSISTANT (Temporary). Grade V (£520 to £570).
Applicants for (a) must be fully qualified engineers (A.M.I.C.E. or A.M.I.Man.E.), and must have considerable experience in the work of an Engineers and Surveyor's department, particularly in the preparation and carrying out of sewerage and sewage disposal schemes, housing estate development and technical administration. Planning experience in addition would be an advantage and sewage disposal schemes, housing estate development and technical administration. Planning experience in a planning office, preferably with a Local Authority. This council has the full delegated powers pentited under the Planning Act. 1947, and the person appointed will be responsible for the examination of all deposited plans, acting as liaison officer between the department and the County Planning Staff, compiling reports and supervising the keeping of recerds, including the statutory register. Candidates must possess one or more of the following qualifications:—A.M.T.P.I., A.R.I.C.S., A.B.I.B.A., A.M.I.Mun.E.

Applicants for (c) must have good training and experience in the general duties of an Engineer.

dates must possess one or more of the following qualifications:—A.M.T.P.I., A.R.I.C.S., A.R.I.B.A., A.M.I.Mun.E.
Applicants for (c) must have good training and experience in the general duties of an Engineer and Surveyor's department, and should be A.M.I.C.E., A.M.I.Mun. E., or A.R.I.C.S. Candidates with the necessary training and experience but who have not yet taken the final examination of a recognized examining body may be considered.

The Council will, if required endeavour to assist the successful candidates in obtaining housing accommodation. It is the normal practice of the Council to contribute one-half of the removal expenses of successful candidates, subject to reasonable conditions.

These appointments are subject to:—(a) The National Scheme of Conditions of Service; (b) one month's notice on either side; (c) the Local Government Superannuation Act. 1947, and (d) a medical examination.

In each case possession of a motor car is desirable, and the Council will pay a travelling allowance in accordance with the National Scale.

Forms of application and further information may be obtained from J. K. Lawson, F.R.I.C.S., Engineer and Surveyor to the Council. East Pallant House, Chichester, and applications, accompanied by copies of two recent testimonials, must be delivered to the undersigned not later than 11th September, 1948.

Applicants should state whether to their knowledge they are related to any member or senior official of the Council.

Cieck to the Council.

Pallant House, Chichester.

Clerk to the Council.

Pallant House, Chichester. 21st August, 1948.

Pallant House, Chichester.

21st August, 1948.

CITY OF CANTERBURY.

SECOND ASSISTANT ARCHITECT.

Applications are invited for the appointment of Second Assistant Architect, in the City Architect's Department, at a salary in accordance with Grade A.P.T., IV, £480×£15 to £525.

Applicants must be A.R.I.B.A., and should have had experience of housing work. Town Planning experience is also desirable, but not essential.

The successful candidate will be required to passe a medical examination.

If necessary, consideration will be given to the provision of housing accemmodation for the person appointed to the position.

Applications, giving age, full particulars of experience and qualifications, and the names of not more than three persons to whom reference may be made should be received by Mr. L. Hugh Wilson, A.R.I.B.A., A.M.T.P.I., City Architect, not later than Friday, 17th September, 1948.

Canvassing will disqualify.

J. BOYLE,

Town Clerk

J. BOYLE, Clerk

Municipal Buildings, Canterbury. 25th August, 1948.

Municipal Buildings, Canterbury.

25th August, 1948.

NATIONAL COAL BOARD.

Applications are invited for appointments as CLERK OF WORKS to supervise the erection of Pithead Baths and Ancillary Buildings in the following areas:

(a) East Lothian, West Lothian and Midlothian (Ref. TT/79).

(b) Northumberland (Ref. TT/80).

(c) North-Eastern Division (Ref. TT/82).

(d) North-Western Division (Ref. TT/82).

(e) West Midlands Division (Ref. TT/83).

(f) Somerest (initially) (Ref. TT/84).

Salary, according to qualifications and experience, up to £590 per annum.

Practical training in one of the main building trades, and previous experience as Clerk of Works in connection with large contracts which have included re-inforced concrete construction, engineering services, and sewage and water treatment plants are essential.

Applications, giving age, education, qualifications and experience, with dates, in chronological order, should be made as soon as possible to National Coal Board, Establishments (General) Branch, Hobart House, Grosvenor Place, London, S.W.1. marking envelope with the relevant TT reference number given above. Original testimonials should not be forwarded.

CITY AND COUNTY OF THE CITY OF
Applications are invited for the following appointments on the permanent staff of the City Architect's Department:—

(a) PRINCIPAL ASSISTANT PLANNING ARCHITECT. Salary A.P.T., Grade VII, i.e., £535 to £710 per annum.

(b) SENIOR ASSISTANT PLANNING ARCHITECT. Salary A.P.T., Grade VI, i.e., £595 to £660 per annum.

Candidates for the above appointments are required for architectural and detailed planning work in connection with the reconstruction of the blitzed contral areas of the City. They must be Associate Members of the Royal Institute of British Architects and experience in Town Planning will be required.

(c) SENIOR ASSISTANT ARCHITECT. Salary A.P.T., Grade V, i.e., £520 to £570 per annum.

Candidates for this appointment must be Associate Members of the Royal Institute of British Architects, and preference will be given to those who are experienced in educational work. The above appointments will be subject to one month's notice on either side and to the provisions of the Local Government Superannuation Act, 1937.

Successful applicants will be required to pass a medical examination.

visions of the Local Government superannuation Act, 1937.
Successful applicants will be required to pass a medical examination.
Canvassing will disqualify and candidates must disclose whether, to their knowledge, they are related to any member of the Council. or to the holder of any senior office under the Council.
Applications, stating age, qualifications, previous and present appointments and salaries, details of experience, and the earliest possible date when available, together with copies of recent testimonials, should be sent to H. B. Rowe, F.R. I.B.A., A.M.I. Struct. E., City Architect, Southernbay West, Exeter, not later than the 17th September, 1548.

C. J. NEWMAN.

C. J. NEWMAN. Town Clerk,

Exeter. 24th August, 1948.

BOROUGH OF TWICKENHAM.

BOROUGH ENGINEER'S DEPARTMENT.
Applications are invited for the following appointment, in the Borough Engineer's Architectural Department:

ARCHITECTURAL ASSISTANT. Grade IV/V, plus London weighting.
Applicants must be students R.I.B.A., and experience with a Local Authority will be an advantage.

Applications, endorsed "Architectural Assistance of the Applications, endorsed and the students of the stud

advantage.

Applications, endorsed "Architec'ural Assistant." stating age, qualifications present and previous appointments, and giving details of experience, should be accompanied by copies of two testimonials, and delivered to Mr.A. S. Knolles, B.Se., M.I.C.E. York House, Twickenham, Middlesex, not later than Wednesday, 15th September, 1948.

W. H. JONES.

Municipal Offices, Twickenham Middlesex.

25th August, 1948.

25th August, 1948.

COUNTY BOROUGH OF TYNEMOUTH.
BOROUGH SURVEYOR'S DEPARTMENT.
STAFF VACANCIES.
Applications are invited for the following appointments:—
(a) CHIEF PLANNING ASSISTANT. Grade VII, £655-£710. Applicants must be Associate Members of the Town Planning Institute, should possess in addition a recognized Engineering or Architectural qualification and should have had some administrative experience. The successful applicant will be in charge of the Planning Section of the Department under the direction of the Borough Surveyor.
(b) SENIOR PLANNING ASSISTANT. Grade V. £520-£570. Applicants must be Associate Members of the T.P. Institute. and should have experience in the carrying out of basic surveys and the re-planning of built-up areas. A recognized Engineering or Architectural qualification will be an advantage.
(c) THREE ARCHITECTURAL ASSISTANTS. Grade V. £520-£570. Applicants must be Associates of the R.I.B.A., and have had good general architectural experience. Experience in settling contractors' final accounts will be an advantage.
(d) JUNIOR ARCHITECTURAL ASSISTANT.

settling contractors' final accounts will be an advantage.

(d) JUNIOR ARCHITECTURAL ASSISTANT. Grade II. £420-£465. Applicants should have passed the Intermediate examination of the R.I.B.A. HOUSING ACCOMMODATION.—The Corporation will be prepared to assist in the provision of housing accommodation in cases of difficulty.

Applications on forms to be obtained from the Borough Surveyor, Mr. D. M. O'Herlity, B.Sc.. M.I.C.E. Howard Street, North Shields, together with copies of not more than three recent testimonials, should be addressed to the Borough Surveyor; to arrive by 27th day of September, 1548.

1948.

All appointments are subject to the National Scheme of Conditions of Service. the Local Government Superannuation Act 1937. a medical examination, and one month's notice on either canvassing, either directly or indirectly will disqualify, and applicants must state whether or not to their knowledge they are related to any member of the Council or to a holder of any senior office under the Council.

Dated this 7th day of Angust, 1948.

(Sgd.) FRED. G. EGNER.

(Sgd.) FRED. G. EGNER, Town Clerk. 14, Northumberland Square, North Shields. 1660

CITY OF PORTSMOUTH EDUCATION
COMMITTEE.
SOUTHERN COLLEGE OF ART (PORTSMOUTH CENTRE), GUILDHALL SQUARE,
Principal: W J. L. GAYDON, A.R.C.A.
SCHOOL OF ARCHITECTURE.
Applications are invited for a full-time
LECTURER AND STUDIO MASTER for Fourth
and Fifth Year Work, to take up duties as soon
as possible.
Applicant must be Associates of the R.I.B.A.
and proferably hold a Degree or Diploma of a
recognized School of Architecture. Previous experience in Teaching is desirable, but not
Applications to:—The Registrar, College of

ssential.
Applications to:—The Registrar, College of Applications to:—The Registrar, College of Fig. Guildhall Square, Portsmouth.
E. G. BARNARD, M.A.,
Chief Education Officer.

ISLE OF ELY COUNTY COUNCIL.

COUNTY ARCHITECT'S DEPARTMENT.
Applications are invited for the appointment of a THIRD ASSISTANT ARCHITECT (Grade III, A.P.T. Division). Salary £450×£15—£495.
National Conditions of Service will apply, and the appointment is subject to the Local Government Officers' Superannuation Act, 137, to a medical examination, and to one month's notice on either side.

Applicants are required to disclose whether to their knowledge they are related to any member of the Council or the holder of a senior office under the Council, and canvassing will disqualify. Full particulars and copies of three recent testimonials should be sent to the County Architect. County Hall, March, Camba, not later than Monday, 13th September, 1948.

R. F. G. THURLOW.
R. F. Gerk of the County Council.

monday, 13th September, 1948.

R. F. G. THURLOW.
Clerk of the County Council.
25th August, 1948.

CANNOCK RURAL DISTRICT COUNCIL.
APPOINTMENT OF ARCHITECTURAL
ASSISTANT (TEMPORARY).
Applications are invited for the above appointment, at a salary in accordance with A.P.T.,
Grade III, of the National Scale of Salaries
(2450-245) per annum).
Candidates must be experienced in preparing
Plans and Specifications for Architectural work
aspointment will be determinable by one month's
notice on either side.
Applications, stating age, qualifications, experience, etc., endorsed "Architectural Assistant,"
and accompanied by copies of two recent testimonials, must reach the undersigned not later
than Monday, to the subject to the Council.
25th August, 1948.

THE KIRKBURTON URBAN DISTRICT
COUNCIL
ARCHITECTURAL ASSISTANT.
The Council invite applications for the abovementioned appointment in the Engineer and Surveyor's Department.
The salary will be Grade II (£420-£465). The
appointment will be subject to the Local Government Superannuation Acts, and the successful
applicant may be required to pass a medical
examination. An appropriate travelling allowance
will be paid by the Council for a 3 h.p. car.
Candidates must have a thorough knowledge of
building construction, and should have experience
in the maintenance, design and construction of
from Mr. D. J. D. Woodhalt,
M. Mun.E.
Engineer and Surveyor, Town Hall, Kirkburton,
near Huddersfield, and these should be returned
town Hall, Kirkburton, near Huddersfield 1593

COUNTY BOROUGH OF WEST
HARTEPOOLS.

Applications are invited for the test test to the test to the council.
The salary will be not the should be returned to the undersigned not later travelling allowance the maintenance, design and construction of
the maintenance of the should be returned to the undersigned not later than Saturday, the

COUNTY BOROUGH OF WEST
HARTEEPOOLS.
Applications are invited for appointments on the staff of the Borough Architectural Department:—

(a) ASSISTANT ARCHITECT. Grade A.P.T., V. 2502-2570

tectural Department:

(a) ASSINTANT ARCHITECT.

V. £252-£270.

(b) ASSINTANT ARCHITECTS. Grade A.P.T.,

IV. £480-£252.

(c) QUANTITY SURVEYOR. Grade A.P.T.,

V. £252-£570.

The appointments are subject to the Scheme of Conditions of Service of the National Joint Council for Local Authorities' Administrative. Professional Technical and Clerical Services, and the provisions of the Local Government Superannuation Act. 1937. The successful applicants will be required to pass a medical examination. Applications, stating age-qualifications, previous and present appointments, details of experience, together with copies of recent testimonials, are to be sent to S. M. Richmond, F.R.I.B.A., A.M.T.P.I.. Borough Architect, Municipal Buildings, West Hartlepool, not later than Tuesday, 14th September, 1948. Candidates are to state clearly the appointment for which application is made.

The Council are prepared to consider the allocations of the council are prepared to consider the allocations.

The Council are prepared to consider the alloca-tion of housing accommodation to successful married applicants who require it. ERIC J. WAGGOTT. Town Clerk.

West Hartlepool. 27th August, 1948.

FLINTSHIRE COUNTY COUNCIL.

PLANNING DEPARTMENT.

Applications are invited for the appointment of DEPUTY COUNTY PLANNING OFFICER, at a salary in accordance with Grade A.P.T. VII, of the National Scales (£635 per annum, crising to £716 per annum, consolidated). Applicants should have had considerable experience in the preparation of Planning Schemes, the control of development, the application of the Town and Country Planning Acts and Orders, and in the work of the Planning office of a local asthority or joint committee. Preference will be given to applicants who are Corporate Members of the Town Planning Institute, and who also hold a recognized qualification in architecture, surveying or engineering. The successful candidate will be required to provide a motor car, for which an allowance will be made either by way of mileage rates under the National Joint Council scale or fixed allowance, as may be determined on appointment by the Council. The appointment will be subject to (a) the National Scheme of Conditions of Service, as modified by the County Council, (b) the Local Government Superannuation Act, 1937, and (c) the successful passing of a medical examination.

Applications from registered disabled persons will be considered.

W. HUGH JONES.

Clerk of the County Council.

County Buildings, Mold.

KENT COUNTY COUNCIL.

Applications are invited for a permanent post

KENT COUNTY COUNCIL.

Applications are invited for a permanent post of SENIOR ASSISTANT ARCHITECT, in the Buildings Department, within the salary range £535-£760 a year.

The post is superannuable, and the successful candidate will be required to pass a medical examination.

Candidates who must be Members of the Rayal Candidates who must be Members of the Rayal

examination.

Candidates, who must be Members of the Boyal Institute of British Architects by examination, should be experienced in the general administration of an Architect's Department of a Local Authority, and in the design, construction and supervision of County Buildings (other than achools), and be fully competent to take charge of projects

Applications on forms obtainable from the County Architect. Springfield, Maidstone, should be delivered to him not later than the 18th September, 1948.

tember, 1948.

W. L. PLATTS,
Clerk of the County Council.
13th August, 1948.

Clerk of the County Council.
13th August, 1948.

METROPOLITAN BOROUGH OF FULHAM.
HOUSING AND PUBLIC BUILDINGS
DEPARTMENT.
Applications are invited, preferably from persons with previous local government experience, for the permanent appointment of ARCHITECTURAL ASSISTANT, in the Housing and Public Buildings Department,
Preference will be given to candidates who have passed the Intermediate examination of the Salary, A.P.T., Grade I, of the National Science (2000)

have passed the Intermediate examination of the R.I.B.A.
Salary, A.P.T., Grade I, of the National Scales (£390 ×£15-£435 per annum), plus London "weighting" of £30 at ages 21 to 25 and £30 at age 26 and over, for candidates possessing the above-mentioned qualification.

The salary for candidates not holding this qualification or its equivalent will be in the General Division (£290 per annum at 25 years of age, rising to £385 per annum at 32 years of age, plus London "weighting" of £20 at ages 21 to 25, and £30 at age 25 and over.

Applications on the official form, which may be obtained from me on receipt of a stamped addressed envelope, must be returned with copies of not more than three testimonials not later than 13th September, 1948.

Town Hall, Fulburn S.W.6.

Town Hall, Fulham, S.W.6. August, 1948.

August, 1948.

COUNTY BOROUGH OF IPSWICH.

APPOINTMENT OF ARCHITECTURAL

ASSISTANT.

Applications are invited for the appointment of
Architectural Assistant, in the Borough Surveyor's Department.

The appointment is subject to the provisions
of the Local Government Superannuation Act,
1937, and to the passing of a medical examination.
Salary will be in accordance with Grade IV of
the A.P.T. Division of the National Scales (£480
to £525 per annum). If applicant possesses the
A.R.I.B.A. or equivalent examination then the
salary will be in accordance with Grade A.P.T.,
V (£520 to £570 per annum). A person appointed
in Grade A.P.T., IV, will be eligible for promotion to Grade A.P.T., V, on qualifying,
There is no form of application but candidates
must state age, experience, and any other relevant
details.

Conless of not more than three recent testi-

details.

Cooles of not more than three recent testimonials must be supplied.

Applications must be received by the Borough Surveyor, Town Hall, Ipswich, not later than Monday, 20th September, 1948.

Canvassing will disqualify. If the applicant is to his knowledge related to any member or any senior officer of the Council he must disclose that fact in writing when submitting his application.

J. G. BARK.

Town Hall, Inswich.

Town Hall, Ipswich. 23rd August, 1948.

IMPERIAL WAR GRAVES COMMISSION invite applications to fill vacancies in their London and Wooburn Green offices in the follow-

ing grades:—
ARCHITECTURAL
STAFF:
LEADING DRAUG
TURAL).—Candidates DRAWING

STAFF:
LEADING DRAUGHTSMEN (ARCHITECTURAL).—Candidates should have several years'
experience in an Architect's office, preferably have
reached at least Intermediate R.I.B.A. or
equivalent standard, and be capable of supervising the work of a small team of Draughtsmen.
Salary within scale £500—£30—£625 (men), £425— £15—£500 (women) in London, slightly less at
Woodburn Green.
DRAUGHESMEN

215—2500 (women) in London, slightly less at Wooburn Green.

DRAUGHTSMEN (ARCHITECTURAL).—
Candidates should be skilled draughtsmen, capable of preparing half-inch scale working drawings and full size details from the Architect's designs.
Salary within scale £300—290—£525 (men), £300—216—2450 (women) in London, entry at £300 at age 21 (less below that age), and up to £440 (men), £405 (women) at age 25 or over, slightly less at Wooburn Green.

DRAWING OFFICE

age 21 (less below that age), and up to £440 (men), £465 (women) at age 28 or over, slightly less at Wooburn Green.

DRAWING OFFICE ASSISTANTS (London only)—Candidates should be 18 years of age or over, some previous experience desirable but not essential. Salary within scale £175—£10—£250 entry at £175 at age 18 and up to £225 at age 25 or over. (Scale for women may be extended by annual increments of £10 to £300).

QUANTITY SURVEYING STAFF:
ASSISTANT QUANTITY SURVEYORS (London only)—Candidates should be A.R.I.C.S. or F.R.I.C.S. (Quantities) or, in the case of those whose early experience has been with a Builder or Contractor (in addition to any whole time study in a recognized school), have passed a written examination in Quantity Surveying. All candidates should have professional experience on structures of important architectural value. Salary within scale £475—£25—£750 (men), £475—£20—£650 (women), entry at £475 at age 25 (less below that age), and up to £670 (men), £475—£20—£650 (women), entry at £475 at age 25 (less below that age) and up to £670 (men), £475—£20—£650 (women), entry at £475 at age 25 (less below that age), and up to £670 (men), £475—£20—£680 (women), entry at £475 at age 25 (less below that age), and up to £670 (men), £475—£20—£680 (women), entry at £475 at age 25 (less below that age), and up to £670 (men), £475—£20—£680 (women), entry at £475 at age 25 (less below that age) and up to £670 (men), £475—£20—£680 (women), entry at £475 at age 25 (less below that age) and up to £670 (men), £475—£20—£680 (women), entry at £475 at age 25 (less below that age) and up to £670 (men), £475—£20—£680 (women), entry at £475 at age 25 (less below that age) and up to £670 (men), £475—£70—£700 (men), £750 (me

WEST SUSSEX COUNTY COUNCIL.
COUNTY ARCHITECT'S DEPARTMENT.
Applications are invited for the appointment of
an ASSISTANT ARCHITECT, at a salary in
accordance with Grade V (£520-£570), A.P.T.
Division of the Consolidated National Scales.
Preference will be given to applicants who have
passed the Final examination of the B. I.B.A.
Further particulars should be obtained from
B. STEELE F.B.I.B.A., F.R.I.C.S., M.T.P.I.,
County Architect, County Hall, Chichester, to
whom detailed applications must be submitted not
later than the 21st September, 1948.
T. C. HAYWARD,
Clerk of the County Council.

Clerk of the County Council. County Hall, Chichester. 17th August, 1948.

HARLOW DEVELOPMENT CORPORATION.
APPOINTMENT OF ARCHITECTURAL STAFF,
Applications are invited for the following posts
on the staff of the Chief Architect:

(a) SENIOR ARCHITECT. Salary £1,200 per

(a) SENIOB ARCHITECT. Salary £1,200 per annum inclusive.

(b) ARCHITECT. Salary within the range of £750 to £1,000 per annum inclusive, the commencing salary being determined in the light of qualifications and experience.

(c) ASSISTANT ARCHITECTS. The scales of inclusive salaries attaching to these appointments will be £650 per annum, rising (subject to satisfactory service) by annual increments of £25 to £750 per annum to £550 per annum. The scale of salary applicable will be determined in the light of the qualifications and experience of the persons appointed.

of salary applicable will be determined in the light of the qualifications and experience of the persons appointed. Applicants for the post of Senior Architect must have first-class creative ability in contemporary design, coupled, with practical experience of building work in a responsible position. Recent housing and town planning experience is desirable. This post will, until a deputy is appointed, rank next to the Chief Architect. Applicants for the posts of Architect and Assistant Architect must be Associate Members of the R.I.B.A. and have had a first-class training in contemporary design and construction together with experience in one or more of the following:—Housing, industrial design, landscape work, town planning, specification writing and surveying.

The appointments will be subject to the Corporation's Staff Rules and Conditions of Service and will, in particular, involve a contribution to a Superannuation Fund under the Local Government Superannuation Act, 1337, or an Assurance Scheme.

Scheme.
Further particulars and forms of application can be obtained from the Chief Architect, Harlow Development Corporation, Terlings, Gilston, Harlow, Essex. Completed applications must be returned not later than the 15th September, 1948. Canvassing, either directly or indirectly, will disqualify.

W. ERIC ADAMS, General Manager.

27th August, 1948.

App

Plant (1) range (2) per a (3) £750 (4) scale

(5) to £7 (6) Salar

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KENT EDUCATION COMMITTEE.

MEDWAY COLLEGE OF ART, EASTGATE, ROCHESTER.

DEPARTMENT OF ARCHITECTURE.

Required as soon as possible full-time STUDIO MASTER, in the Department of Architecture. Recognized qualification in Architecture necessary and training in a recognized School a recommendation.

Salary: Senior Assistant Burnham (Technical) Scale, 1948, 2700—225—2800, with additional allowances for graduation and approved training. Letters of application, giving full particulars of training and experience, should be sent immediately to the Principal.

training and experience, should be sent immenately to the Principal.

COUNTY BOROUGH OF ROTHERHAM.

Applications are invited for the appointment of an Architectural Assistant, in the office of the Borough Engineer, at a commencing salary of £520, rising by annual increments to a maximum of £570 per annum.

Applicants must be Associate Members of the Royal Institute of British Architects, and preferably with experience in the service of a Local Authority.

The post is superannuable, and the candidate selected for appointment will be required to pass a medical examination.

The appointment will be subject to the conditions of service adopted by the Council, and based on the National Scheme of Conditions of Service. It will be determinable by one month's notice on either side.

AVAILABLE FOR THE SUCCESSFUL APPLICANT IF REQUIRED.

Applicants must state whether they are related to any member or officer of the Rotherham County Borough Council. Deliberate omission to disclose any sych relationship will disqualify any candidate.

Canvassing of members of the Council, whether

date. Canvassing of members of the Council, whether direct or indirect will disqualify.

Applications (endorsed "Architectural Assistant") stating age, qualifications and experience, accompanied by copies of three recent testimonials, should be delivered to the undersigned not later than the 24th September, 1948.

JOHN S. WALL,

Town Cirk.

Municipal Offices, Rotherham, Yorks. 1708

HEMEL HEMPSTEAD DEVELOPMENT
CORPORATION.
ARCHITECT'S DEPARTMENT.
Applications are invited for the following appointments:—
(a) PRINCIPAL ASSISTANT ARCHITECT.
Salary in the range 2750-21,000.
(b) SENIOR ASSISTANTS: (i) Architectural,
(ii) Planning. Salary in the scale £550×£30—2750.
(c) ASSISTANTS: (i) Architectural, (ii) Planning. Salary in the scale £50-£55, according to age, experience, and qualifications.
Applicants for post (a) should be Associates of the R.I.B.A. and should have a sound knowledge of design and construction of building, with particular emphasis on the design and layout of housing estates. Sound experience in administration and in the control of drawing office staff is essential.
Applicants for post (b) should either have the

housing estates. Sound experience in administration and in the control of drawing office staff is essential.

Applicants for post (b) should either have the Town Planning Diploma be Associate Members of the Town Planning Institute, or by Associates of the R.I.B.A. They will be required to work with the head of the appropriate section either on the design and layout of Neighbourhood Units and other planning work relative to the planning of a new town, or on the planning and design of housing and other buildings to be constructed by the Corporation.

Applicants for post (c) must either have reached intermediate standard R.I.B.A., have a sound knowledge of planning and design of tuildings, or hold the Intermediate examination of the Town Planning Institute and have had experience in town planning.

The persons appointed will be required to work at the Development Corporation's offices at Hemel Hempstead and to reside in the district. The posts will be subject to the Development Corporation's staff rules and conditions of service, and in the case of posts (b) and (c) to one month's notice of termination on either side. Contributory superannuation (with the choice of entering or continuing in a fund under the Local Government Superannuation Act, 1937) will be provided.

Applications, giving particulars of age, qualifications, experience, present and past appointments, and the names of three persons to whom reference can be made, should be endorsed with the title of the post for which application is made, and addressed to reach the undersigned not later than 25th September, 1948.

W. O. HART. General Manager. Westbrook Hay, Hemel Hempstead, Herts. ITIL SHEFFIELD REGIONAL HOSPITAL BOARD.

Westbrook Hay, Hemel Hempstend, Herts. 1711
SHEFFIELD REGIONAL HOSPITAL BOARD.
LINCOLN NO. 3 HOSPITAL MANAGEMENT
ARCHITECTS with R.I.B.A. qualifications are
invited to offer their part-time services to the
Committee, in connection with works of restoration, reconditioning and extension at Rauceby
Hospital, and general maintonance at Harmston,
Bourne, Caistor and Holbeach Institutions.
Applications of the appointment, stating the
terms offered, should be received by the Secretary
not later than 11th September.
W. G. KRY.

Secretary.

Harmston Hall, Lincoln.

Harmston Hall, Lincoln.

STEVENAGE DEVELOPMENT CORPORATION.
Applications are invited for the following posts in the Department of Architecture and

in the Department of Planning:—
(1) ARCHITECT AND PLANNER. Salary range 2750 to £1,000 per annum.
(2) ARCHITECTS. Salary range £750 to £1,000 per annum..
(3) ASSISTANT ARCHITECT. Salary £550 to

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per annum. ARCHITECT (MAINTENANCE). Salary £550 to £750 per annum. ASSISTANT PLANNER. Salary scale £550

(5) ASSISTANT PLANNEE. Salary scale £550 to £750 per annum.

(6) JUNIOR ARCHITECTURAL ASSISTANTS. Salary scale:—Age 21 years. £350 p.a.; age 22 years. £375 p.a.; age 23 years. £375 p.a.; age 22 years. £375 p.a.; age 23 years. £400 p.a.

Candidates for (1) should be Fellows or Associates of the Royal Institute of British Architects and Members or Associate Members of the Town Planning Institute. Candidates for (2) and (3) must be Associates of the Royal Institute of British Architects. Candidates for (4) minimum qualification—Registered Architect.

Candidates for (5) must be Associate Members of the Town Planning Institute.

Preference will be given to candidates for appointments (1), (2) and (3) with a University Degree or Diploma in Architecture and/or Town Planning.

appointments (1), (2) and (3) when a chartest person of Diploma in Architecture and/or Town Planning.
Candidates for (6) must have passed the Intermediate examination of the R.I.B.A. Selected candidates will be required to contibute towards a Local Government Superannuation Fund or an Insurance Scheme.
Relationship to any member of the Corporation or staff must be disclosed by the applicant.
Candidates should apply by letter not later than Tuesday, 21st September, to the Chief Administrative Officer Aston House, Aston, near Stevenage, Herts, giving age, qualifications, experience present and previous appointments held, and the names of three persons to whom reference may be made.

Competitions

6 lines or under, 10s.; each additional line, 1s. 6d.

Tryou must put your carbs on the table . . design it yourself. Palatial National Furniture Design Competition. Now open. 500 gns. in prizes for Amateur and Professional Designers. Closing date extended by request to November 30th. Entry forms and details from Palatial, Ltd., 616, Old Ford Road. London, E.3.

Building Sites
6 lines or under, 10s.; each additional line, 1s. 6d.

NORTHERN RHODESIA.

LEASE OF HOTEL SITE NEAR VICTORIA FALLS.

The Northern Rhodesia Government offers to lease an Hotel Site situated north of the Zambesi River, overlooking the Victoria Falls and 14 miles distant therefrom. An area of 20 to 30 acres is available on leasehold for 99 years (with option of renewal), at a nominal rental of £1 per annum. Hotel buildings to a value of not less than £250,000 to be erected in accordance with plans first approved by Government. Building to be commenced within a period of one year and completed within a period of three years of the issue of the Lease.

The Northern Rhodesia Government will be prepared to offer the successful applicant such assistance to early building as lies within its power.

power.
Applications (for submission to the Commissioner of Lands and Surveys, Livingstone, Northern Rhodesia) should be sent in the first instance to the undersigned, and should reach him not later than 20th September, 1948. Further particulars can be obtained on request.

R. K. McKEE.

Commissioner for Northern Rhodesia.
57, Haymarket, London, S.W.1.

Architectural Appointments Vacant

SENIOR ASSISTANT ARCHITECT required in the Staff Architects' Department of a large West Riding Multiple cenesra; salary £500 p.a. Write, stating age and experience, with cepies of testimonials, to Box 1386.

NATIONAL Company with interests throughout the country, require services of an
ARCHITECTURAL ASSISTANT in their London Offices. The work is generally industrial,
and calls for quick and accurate draughtsmanship, detailing, and ability to write specifications,
make surveys, take levels, and deal with all
authorities concerned. Applicants should be capable of taking a job from the sketch stage to
final account, with slight supervision. Salary,
2600 per annum. Member of the R.I.B.A. preferred. Box 1547.

A RCHITECTURAL ASSISTANT required for

A RCHITECTURAL ASSISTANT required for private practice in S.E. London area; competent draughtsman, working drawings, surveys; knowledge of specifications and quantities an advantage. Salary, £250-£352, according to ability. Apply Box 1246.

K EEN JUNIOR ARCHITECTURAL ASSIST-ANT required by a London and Oxon Archi-tect for a branch office in Cornwall. Reply, stating age, experience and salary required, to Box 1537.

DUNLOP Rubber Company, Limited, require an ARCHITECTURAL ASSISTANT ex-perienced in Industrial Design and Construction. Qualifications are advantageous, tut not essential. Applications in writing to Personnel Manager, Fort Dunlop, Erdington, Birmingham, 24.

A SSISTANT ARCHITECTS. Applications are invited by Co-operative Wholesale Society, Limited, for appointments as ASSISTANT ARCHITECTS. Applicants 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 £420 to £500 per annum, plus cost of living bonus of £84 per annum, or £500 to £500 per annum plus cost of living bonus of £84 per annum, according to experience and qualifications. The appointments are permanent ind offer good propects of promotion for competent assistants. Successful candidates will be required to pass a medical examination for entry into compflsory superannuation scheme. Applications, stating age, educational qualifications and experience, to be addressed to the C.W.S., Ltd., Architect's Department, 1, Balloon Street, Manchester, 4, 1254 PERFIENCED ARCHITECTURAL ASSIST.

EXPERIENCED ARCHITECTURAL ASSIST-ANT required. Write, stating age, qualifi-cations, experience and salary, to William & Segar Owen, Chartered Architects, Palmyra Square Chambers, Warrington.

A BCHITECTURAL ASSISTANTS required immediately; salary according to qualifications and experience, but minimum of £500 per annum; superannuation scheme in operation. Write, giving full particulars of age, training, experience, etc., to C. S. Allott & Son, Consulting Engineers, 1, North Parade, Manchester, 3. 1631

A PPLICATIONS are invited for ARCHITECTURAL ASSISTANTS, in the C.W.S. Architect's Dept., London; applicants should be good draughtsmen, possess a sound knowledge of building construction, and be capable of preparing working drawings; appointment to the permanent staff and superannuation scheme after 3 months's satisfactory service. Applications, stating age, qualifications, experience, and salary required, to W. J. Reed, F.R.I.B.A., Architect's Dept., C.W.S., Ltd., 99, Loman Street, London, E.1.

Putting Back the Past

... Restoration under difficult conditions at Mereworth Carried out under the direction of the Architects, Messes. Dalgliesh & Pullen, FF.R.I.B.A.

The hand of time had indeed touched the unique Mereworth Church in Kent, as the typical examples of erosion in the photographs show. But not beyond repair. Such difficult restoration work is not new to this Company, "Reparations"

are proud of their record in this highly special. ised field.

Enquiries will receive immediate attention. Please

TELEPRONE,

S . E . 1 .

Sciencific R.S.30

STREET.

SUPPOLE

UNIVERSITY Department requires the services of an ASSISTANT ARCHITECT; candidates must be fully qualified, not over 40 years of age, and have had good practical experience; good prospects and permanent position for the right man; salary according to age and experience. Applications, giving full details of experience, and enclosing copies of three recent testimonials, to Secretary, Department of Estate Management, 74, Trumpington Street, Cambridge.

A RCHITECTURAL AND SURVEYING ASSISTANT required for maintenance work by North-Eastern Brewery; permanency for suit-able man; help given with housing accommoda-tion. State salary required, age, experience, train-ing and full particulars, to Box 1647.

JUNIOR ASSISTANT required for Isle of Wight; good draughtsman essential. Apply

A RCHITECT in East of Scotland requires experienced ASSISTANT; knowledge of quantity surveying a recommendation; salary £400 to £500, according to qualifications. State full particulars to Box 1637.

full particulars to Box 1637.

A COMMERCIAL Firm, with London headquarters, having large wholesale and retail
connections in the fish trade, require the services
of an Architect, with good general qualifications
and experience and some specialized knowledge of
retail shop fitting, general alteration, repairs and
maintenance; in addition the person appointed
would be required to play a part in development,
and the position offers scope to a resourceful and
adaptable man; applicants should be preferably
about 25 to 30 years of age, have passed the
ARLBA. exam. or equivalent, and have some
administrative ability; salary £475-£575 per
annum. Applications should be sent to Personnel
Dept. (FMD), Lever Brothers & Unilever, Ltd.,
Blackfriars, London, E.C.4.

A RCHITECT'S ASSISTANT required for small branch office in Windermere district. West-morland; preparation of working drawings and supervision of building work. Reply, stating age, experience, and salary required, to Box 1667.

A RCHITECTURAL Metal Workers require DESIGNER DRAUGHTSMAN; able detail for works production. Apply with experience, salary required to Cashmore Art Workers, 18, Balham Hill, S.W.12. 1668

NOUNG ARCHITECT or qualified DESIGNER to join large established furniture manufacturers to train for the important position of CHIEF DESIGNER; good salary during training period; really fine prospects and remuneration. period; really 1 Apply Box 1670.

WORKER-UP, with thorough knowledge of Abstracting and Billing, required by the Architect's Department of the Co-operative Wholesale Society, Ltd., in London. Apply, stating age, experience, and salary required, to W. J. Reed, F. R.I.B.A., C. W.S., Ltd., Architect's Dept., 99, Leman Street, London, E.I. 1676.

A RCHITECTURAL ASSISTANT required immediately; must be good draughtsman, with sound knowledge of construction, and practical experience of large scale conversions. Full particulars, including qualifications, experience, and salary required. Apply F. R. Elleray, A.R.I.B.A., Brockhurst Street, Northwich, Cheshire. 1681

PORTSMOUTH.—Architects have vacancy for an ARCHITECTURAL and SURVEYING ASSISTANT with ability to act on own initiative and take some degree of responsibility; good prospects for a keen man. Full particulars, including experience, salary required, to Box 1688.

SENIOR ARCHITECTURAL ASSISTANT required for Hospital work in London; must be responsible and conversant with large scale works. Kenchington & Farms, F., A., and A.R.I.B.A. Welbeck 6543-4.

JUNIOR ARCHITECTURAL ASSISTANT re-quired for Hospital and general architec-tural work; office experience desirable. Kenchington & Farms, F., A., and A.R.I.B.A. Welbeck 6543-4.

Architect's department of the hospital; know-ledge of hospital work not essential; salary £450-£550, according to ability and experience. Applicants should state in confidence age training, experience and salary required, to the Surveyor, London Hospital, Whitechapel, F.1.

DROGRESSIVE Manufacturing Company in the West End require an ARCHITECTURAL ASSISTANT; applicants must be A.R.I.B.A., age 25-35, and experienced in the preparation of surveys, sheetch plans, working drawings, in connection with industrial buildings; also able to supervise work in progress and prepare reports in regard to same. Apply in writing, stating age, qualifications, full details of experience, and salary required, to Box R678, A.K. Advg., 212a. Shaftesbury Avenue, W.C.2.

PROGRESSIVE Manufacturing Company in the West End require an ARCHITECTURAL ASSISTANT; applicants must be experienced in the preparation of surveys, working drawings in connection with alterations and additions in industrial buildings and their maintenance. Apply in writing, stating age, full particulars of experience and salary required, to Rox Ref76, A.K. Advg., 212a, Shaftesbury Avenue, W.C.2. 1699

EXPERIENCED ARCHITECTURAL ASSISTANT wanted; Eastern Counties; good salary offered, dependent on experience and qualifications. Apply Box 1706.

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XPERIENCED ARCHITECTURAL ASSIS.

TANT required in S.W. seaside town. Write, stating age, qualifications, experience, etc.; salary 230-2400. Box 1707.

ARCHITECTURAL ASSISTANTS required by large Maidstone, Kent. Brewery; generous pension scheme; SENIOR ASSISTANT, A.R.I.B.A.; JUNIOR ASSISTANT STUDENT, R.I.B.A. Write full particulars to Box 1709. Salary on qualifications and experience.

Architectural Appointments Wanted

CHARTERED ARCHITECT eagerly desires situation in Scotland or Northern England; salary approx. £600 p.a. Box 163.

PRAUGHTSMAN seeks aituation in West Velopment of artistic and technical as against business and legal ability; 3 years' experience includes work on specialised business, adaptation. Box 166.

exhibitions, adaptation. Box 166.

ARTICLES—Ex-South African, W.A.A.F. (Meteorology), age 26, some drawing experience, desires Articles with Architect; educated well-known English school, matriculated; experienced shorthand and typing; keen and hard working; small initial salary required Box 165.

ARCHITECTURAL STUDENT. age 22, requires position in Architect's office; Birmigham preferred; 2 years' full-time College; premium considered. Box 168.

MAUROPEAN Architect Reitigh, with Control of the co

TUROPEAN Architect, British, with Continental qualifications and F.I.I.A., recently established Calcutta, open for co-operation as resident Architect on important architectural schemes. Box 170.

JUNIOR ARCHITECTURAL ASSISTANT requires change in London area to vary experience, age 23; 4 years experience, including 24 years in present situation, working drawings, specifications, building surveys, etc.; Probationer, 3rd year Northern Polytechnic evening student; ex-R.A.F.; salary by arrangement. Box 169.

ARCHITECTURAL ASSISTANT (22), good drawing office and building construction experience, seeks appointment in progressive London office. Salary £300-£350. Bex 160.

ARCHITECTURAL ASSISTANT (aged 22), officer, requires position in or around London. Box 171.

LONDON COUNTY COUNCIL

BRIXTON SCHOOL of BUILDING

Ferndale Road, Brixton, S.W.4. Telephone: Brixton 2068/9

Principal: D. A. G. Reid, B.Sc. (Eng.), A.M.Inst.C.E., A.M.I.Struct.E.

SESSION 1948-49

Part-time day classes-enrolment 6th to 10th September, 1948; commence 13th September, 1948.

Evening classes-enrolment 15th to 19th September, 1948; commence 22nd September, 1948.

National Certificate courses (day or evening) in General Building, Building Administration, Quantity Surveying and Building Surveying, Sanitary Engineering, Structural Engineering (Steelwork or Reinforced Concrete), Civil Engineering.

Courses in preparation for the examinations of the Royal Institute of British Architects; Royal Institution of Chartered Surveyors; Institute of Builders and Institution of Structural Engineers.

Decoration and Painting courses for National Diploma of Design and the examinations of the Institute of British Decorators.

Building Trades courses (day and evening) in preparation for City and Guilds of London Institute's Examinations in Carpentry and Joinery, Brickwork, Masonry, Plumbing, Plastering, Painting and Decorating, Woodcutting Machinists' Work, Mastic Asphalt and Spray Painting.

ADULT AND POST GRADUATE COURSES

Soil Mechanics, Modern Structural Analysis, Design of Welded Structures, Concrete Technology, Building Contractors' Plant, Management and Foremanship.

Full-Time Courses in Building Architecture, Structural Engineering, Surveying, Decoration and Painting.

Further particulars may be obtained from the Secretary at the School. (1204)



BITUMEN DAMPCOURSE

WILLIAM BRIGGS & SONS LIMITED

East Camperdown St., Dundee. Vauxhall Grove, London, S.W.8 Branches:—Aberdeen, Edinburgh, Glasgow, Leicester, Liverpool, Norwich

YOUNG Man (22), employed contractor's office, seeks change, preferably as DRAUGHTS-WAN in Architect's office; experienced in Architectural drawing, measuring, ordering materials, de. Box 167.

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Other Appointments Vacant

lines or under, 5s.; each additional line, 1s. 6d.

Bulling And Maintenance Surveyor required by large organisation with one schedule of dilapidations and repairs. Should have some drawing board experience and to capable of obtaining Consents, Licences, etc. Mairy, 2500 per annum. Member of the R.I.C.S.

petered. Box 1548.

A exceptional opportunity for a SURVEYOR with ability and drive and with experience in raining Urban Properties from the cost of moduction and rental value angles, in an old catabilished firm of architects and Surveyors in the City of London. Not over forty, and with real practical knowledge and experience of building and valuation. Good salary with early prospect of partnership for the right man. Write with details of education and subsequent attainments, to Box E469, c/o Streets, 110, Old Broad Street, E.C.2.

DINIOP Rubber Company. Limited requires

DUNLOP Rubber Company, Limited, require
a Supervising, experienced, BULLDING
SURVEYOR, for inspection of and reporting
men maintenance and minor works in all parts
of the country. Applications in writing to Persuasel Manager, Fort Dunlop, Erdington, Birmischan, 24.

paggam, 24.

PRECAST CONCRETE DRAUGHTSMAN required; all types precast units, especially below beam floor construction; sound position for right man; West London area. Write Box

NO. BURETARY SHORTHAND-TYPIST required S for Partner in firm of Architects at Holborn. Man JUNIOR SHORTHAND-TYPIST required; Sday week. Please write with particulars and experience. Box 1664.

saly week. Please write with particulars and emperience. Box 1664.

SHORTHAND TYPIST required for City Chartered Surveyors; 5-day week. Write, sating salary required, to Box 1669.

NORTH-EAST Coast Firm of Painting Congrated to the services of roung Lady to act as CONSULTANT to Clients for interior decoration, etc.; the applicant should be of smart appearance and address, should have had some training in Architecture and Art, and should be capable of preparing colour schemes and akfothes; every facility will be given to the applicant to study modern colour design in relation to domestic and industrial buildings, and the position should prove to be both interesting and learative. Apply Box 1683.

LABGE Building and Civil Engineering Organization require SENIOR ASSISTANT (UANTLTY SURVEYORS, in the Middle East, by Join large established staff; age preferably meer 44; good salary and allowances; contract with the duration of 27 months, with an opportunity of stension. Apply in writing, stating age, experience, qualifications, etc., to Box 1710.

Services Offered

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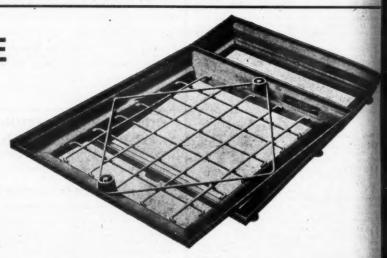
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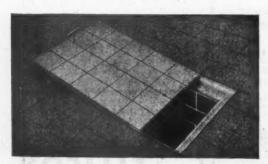
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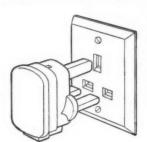
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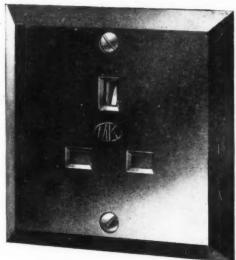




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