ARCHIT



standard contents

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

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glossary of abbreviations of Government Departments and Societies and Committees kinds, together with their full address and telephone numbers. The glossary is pubin 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.

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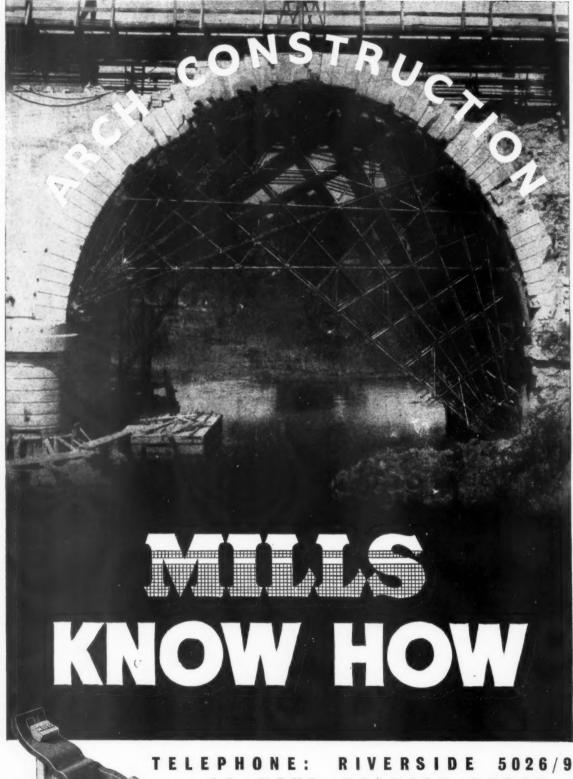
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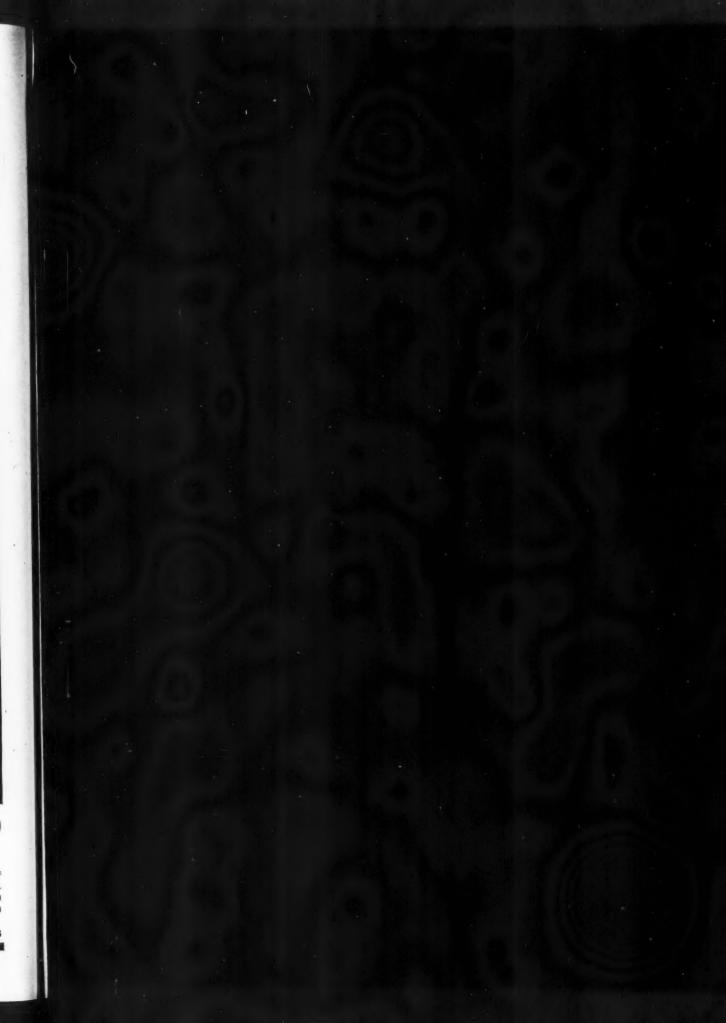
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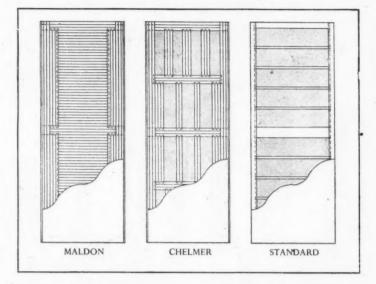
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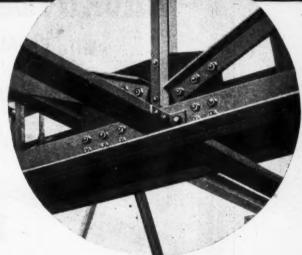
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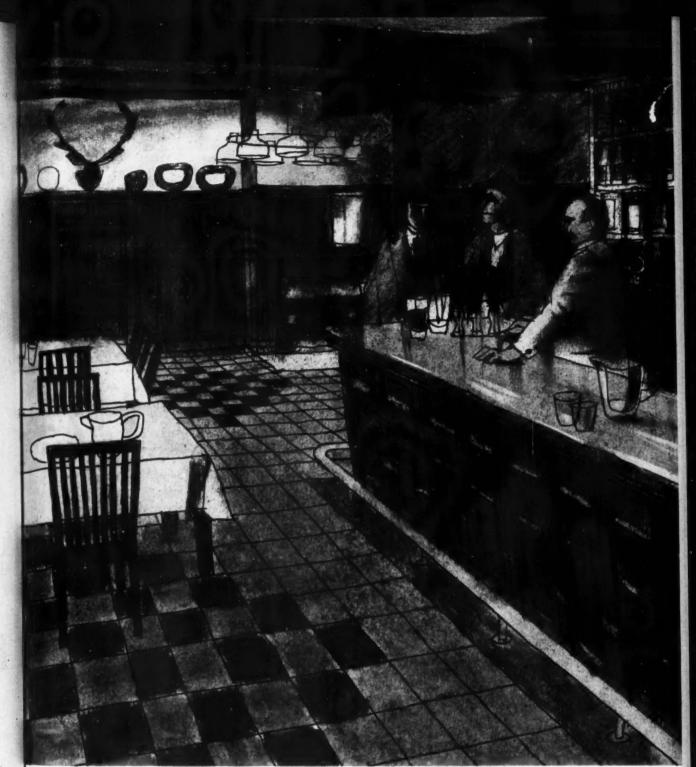




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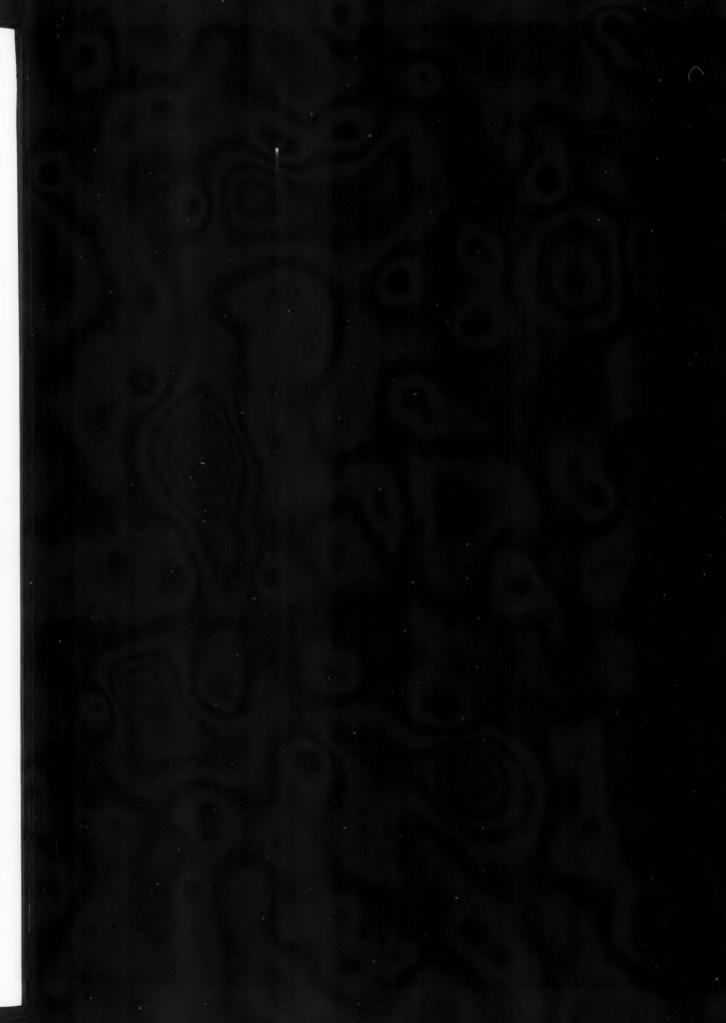
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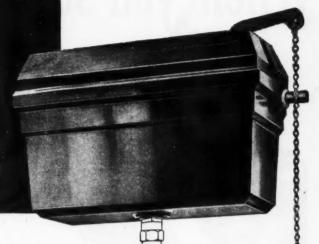
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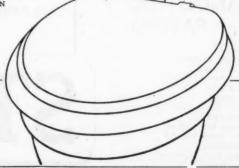
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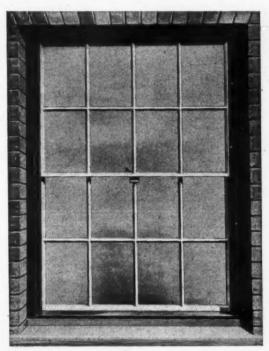
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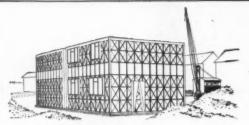
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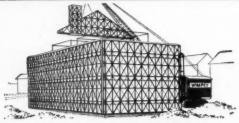
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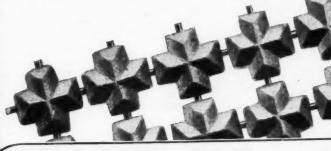
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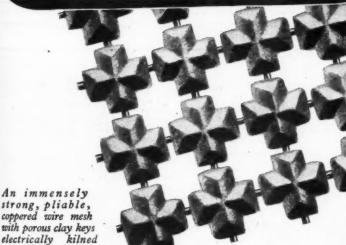
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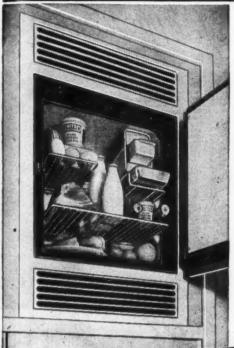
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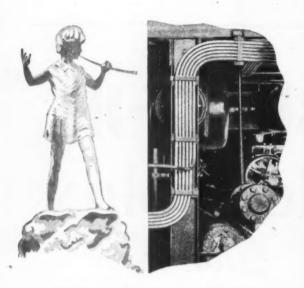
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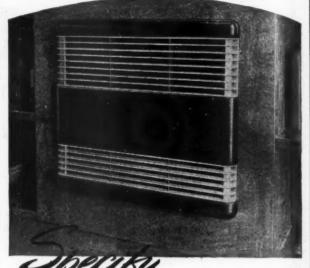


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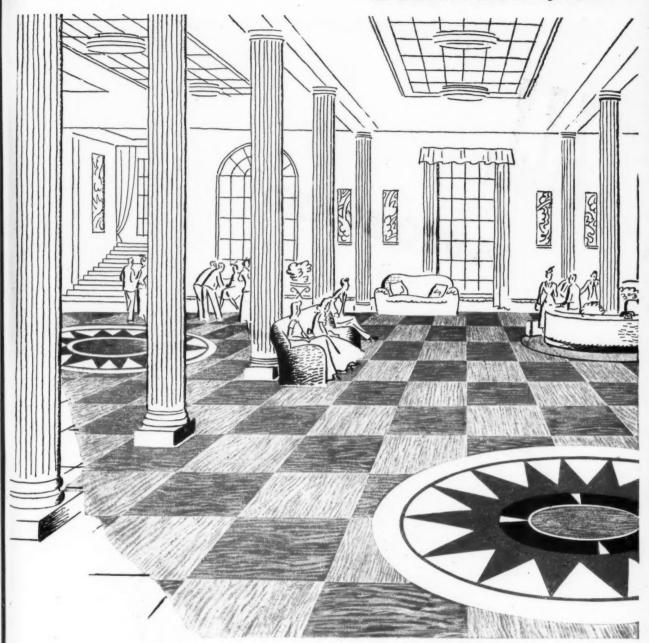
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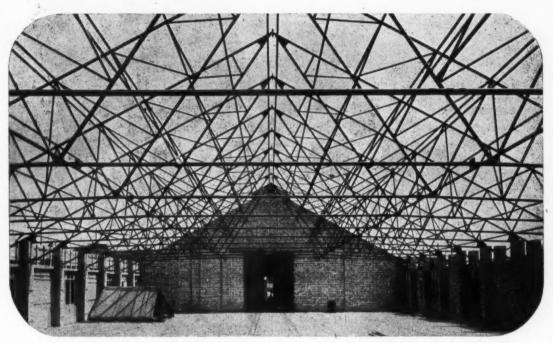


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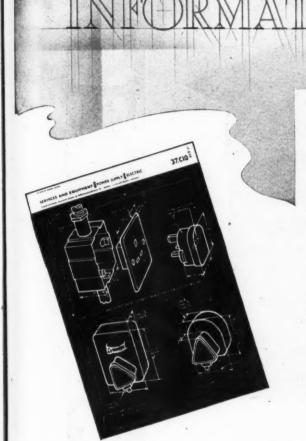
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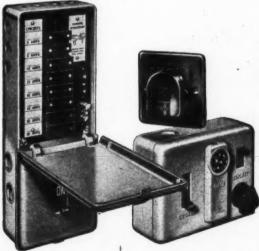
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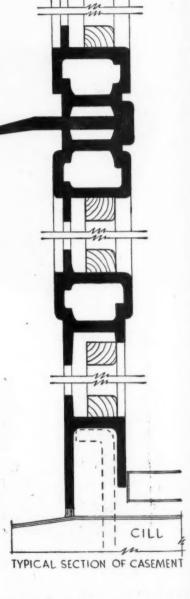
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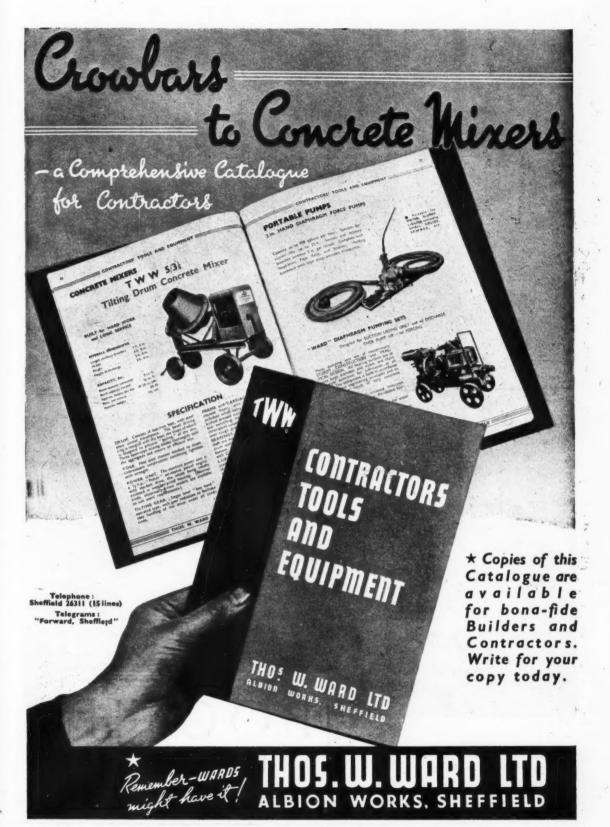
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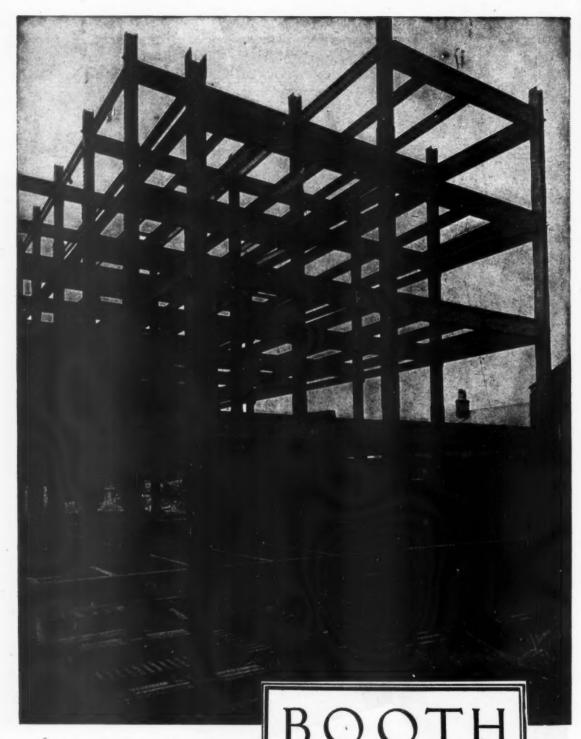
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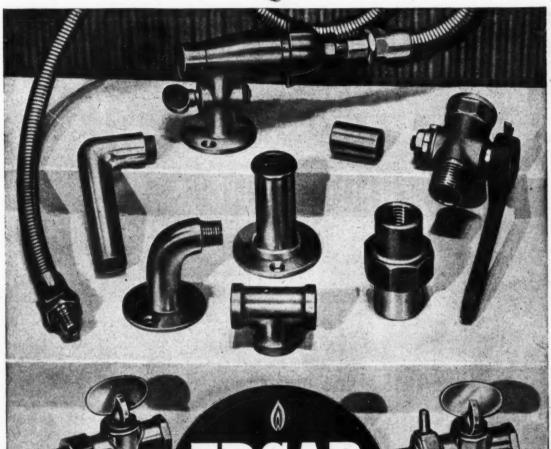
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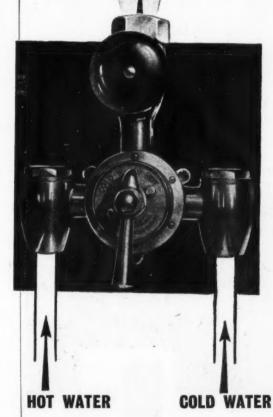
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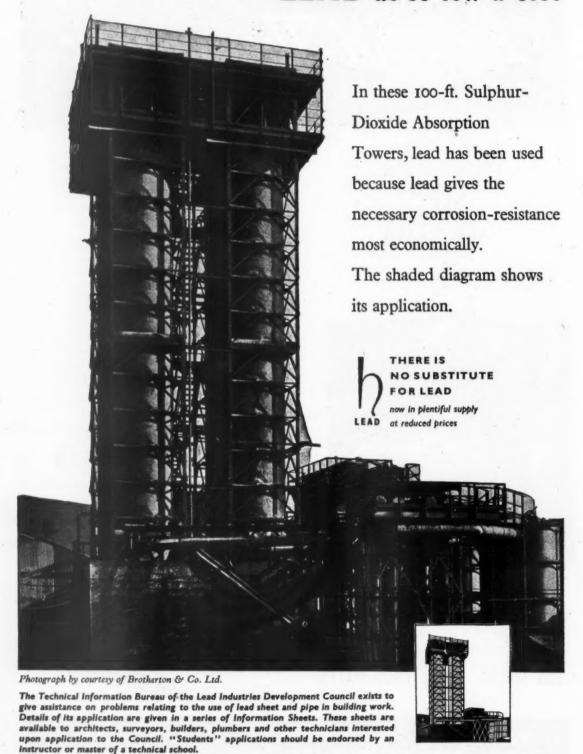
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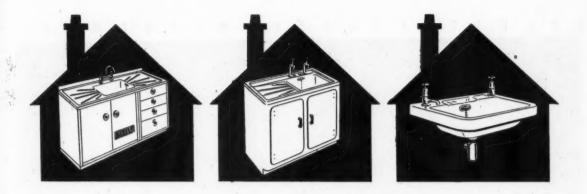
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DIARY FOR AUGUST AND SEPTEMBER

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.

BRADFORD. Design Week organized by the Council of Industrial Design. Details to be announced locally. SEPT. 12-17

G LASGOW. Electrical Appliances Exhibition. (Permanent.) Electrical Section, Scottish Building Centre, 425 and 427, Sauchiehall Street, Glasgow, C.2.

L ONDON. The Royal Academy Summer Exhibition. At Burlington House, Piccadilly, W.1. UNTIL AUGUST 7

Engineering and Marine Exhibition.
Olympia, Monday to Saturday, 11 a.m. to
9 p.m. AUGUST 25-SEPT, 10

National Garden Show. Olympia. (Sponsor, News of the World.) Daily, 9.30 a.m. to UNTIL AUGUST 5

ST. ANDREWS. Town and Planning Summer School, At the University of St. Andrews, Fife. (Sponsor, TPI.)

T UNBRIDGE WELLS. Building Week. (Sponsor, MOW.) SEPT. 19-24

Y ORK. Summer School of Architectural History and Measured Drawing. (Sponsor, York Civic Trust.) AUGUST 13-27

COMPETITIONS

Competition for Design of War Memorial. The Trustees of the Victorian National War Memorial invite competitive designs for the 1939/1945 War Memorial which is to take the form of a great forecourt on the north side of the existing Shrine of Remembrance. The competition is open to architects who served in His Majesty's Forces during the 1914/1918 or 1939/1945 wars and who are members of the RAIA or RIBA or who are legally registered in Australia or New Zealand. Every intending competitor is required to register his nane in writing with the Secretary, The Royal Victorian Institute of Architects, 55, Collins Place, Melbourne, Australia, not later than 12 noon, Monday, August 1, 1949. Assessors: Robert S. Demaine, F.R.A.I.A., Marcus W. Martin, F.R.A.I.A., W. Balcombe Griffiths, M.C., A.R.A.I.A. Premiums: £1,000, £500, £250. The estimated cost of the memorial

must not exceed £90,000, exclusive of architects' fees. Last day for submitting designs: Monday, October 31, 1949. Designs may be sent to the Agent General for Victoria, Victoria House, Melbourne Place, Strand, London, W.C.2, from whom conditions of the competition may be obtained.

Competition for Design of Strip Carpet. IAAS competition open to architects and aschitectural students in the United Kingdom and the Commonwealth. Divided into three sections: hotels, cinemas and theatres and ships. In each section a first prize of 75 guineas and a second prize of 25 guineas will be awarded. Closing date, October 31, 1949. The last day for questions, September 1, 1949. Assessors, Kenneth J. Lindy, E. C. Leach, and Hurley Robinson. Technical Advisers, John Anderson and J. P. Glass. Details from the General Secretary, 75, Eaton Place, Belgrave Square, S.W.1.

Design of Community Centre. The Incorporated Association of Architects and Surveyors. Two prizes, £150 and £75, for Urban Design. Two prizes, £100 and £50, for Rural Design. Open to all architect members of the IAAS, and to any architect, whether principal or assistant, in the United Kingdom, Northern Ireland and Eire. Closing date, February 1, 1950. Applications to General Secretary, 75, Eaton Place, Belgrave Square, S.W.1.

NEWS

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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.

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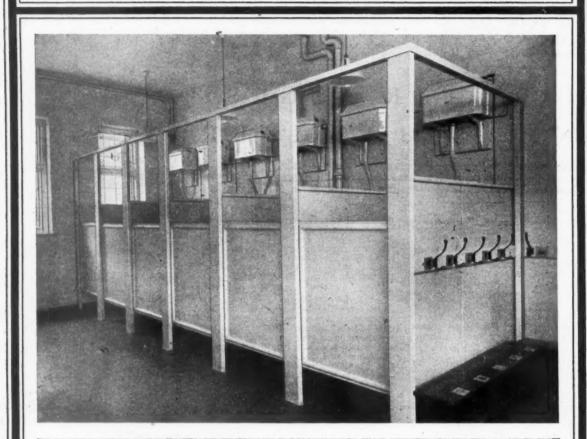
** means important news, for reasons which may or may not be obvious.

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



The new Colonial Office, designed by Mr. T. S. Tait, of Sir John Burnet, Tait and Partners, after consultation with the Royal Fine Arts Commission, as it will appear from the corner of Princes Street and Broad Sanctuary, Westminster.

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From AN ARCHITECT'S Commonplace Book

ARCHITECTURE AND SCIENCE. [From The Freedom of Necessity, by J. D. Bernal (Routledge and Kegan Paul).]—Of all the arts, architecture is the one that has, throughout its history, been most closely connected with science. Indeed, the closeness of this connection may be taken as some indication of the state of excellence of architecture at any period. All through Classical, Byzantine and Mediæval times the great architects, such as Vitruvius, Anthemius or Villant de Honnecourt, were men who certainly knew, and were able to use, all the science that existed in their time. . . It was only after the seventeenth century, when both science and architecture became professionalised, that this close personal contact disappeared. It maintained itself through the eighteenth and early nineteenth centuries only in the tradition of the great civil engineers, in the builders of bridges, railway stations and factories. The academic architect and the academic scientist were poles apart. The result has been unhappy for both sides. The essential superficiality which marked the decay of architecture in the nineteenth century and still marks school architecture today is due to a preoccupation with appearance rather than structure or function. . . . The work of the Building Research Station marks the beginning of what may be a new and fruitful phase of intimate collaboration. Nevertheless, almost everything yet remains to be done. The great developments of science in the last hundred years are still for the most part entirely unassimilated by the architects. Science can help architecture in an enormous variety of ways and in doing so can itself profit from the problems that such collaboration is bound to raise.

to 17,000 LCC HOUSES are to be built in the SLOUGH AREA. The Minister, of Town and Country Planning, Mr. Lewis Silkin, has decided to allow the LCC to develop about 422 acres of land at Farnham Royal, and 264 acres at Langley, Bucks., for housing. He has, however, refused permission for the use of about 150 acres of rural land for housing and 117 acres for industrial development in the area. The two schemes approved will house about 17,250 people—a major contribution towards reaching the population figure of 110,000 in and around Slough which was proposed in the Greater London Plan.

This decision follows a local inquiry into the LCC's appeals against the refusals of the local authorities, Slough Borough Council and Eton Rural District Council, to permit the development on the ground that the future development of Slough would be

The Minister considers it is of the utmost importance that the development of both sites should be integrated with the development plan for Slough. He is confident that this can be satisfactorily achieved by careful collaboration between all the authorities concerned.

The Minister is not satisfied that industrial development is necessary on the Farnham Royal site, as employment opportunities are already considerably in excess of local labour. Nor does he consider that land lying north of the Burnham-Farnham Royal road is suitable for intensive housing development. He has therefore excluded these two areas.

RIBA MAINTENANCE
SCHOLARSHIPS for 1949-50
have been awarded.
An RIBA 4th and 5th Year Maintenance
Scholarship of £60 per annum has been
awarded to Mr. Peter A. Martin, of Oadby,
Leicester. The Maintenance Scholarships
previously awarded to the following candidates have been renewed:—Mr. H. W. D.
Burgess (Welsh School of Architecture, The
Technical College, Cardiff); RIBA Houston
Maintenance Scholarship of £125 per annum.
Mr. J. M. Phillips (Bartlett School of Architecture, University of London); RIBA
Houston Maintenance Scholarship of £125
per annum. Mr. D. N. Sutcliffe (Department of Architecture, The Northern Polytechnic, London); RIBA Houston Mainten

ance Scholarship of £125 per annum. Mr. J. B. Crowther (Welsh School of Architecture, The Technical College, Cardiff); RIBA Houston Maintenance Scholarship of £125 per annum. Mr. D. G. Potter (The Polytechnic, Regent Street, London); RIBA Houston Maintenance Scholarship of £125 per annum. Mr. M. E. Holt (Nottingham School of Architecture); RIBA Howe Green 4th and 5th year Maintenance Scholarship of £40 per annum. Mr. H. R. Brady (Bartlett School of Architecture, University of London); The Builder Maintenance Scholarship of £68 per annum. Mr. A. B. King (Architectural Association School of Architecture); The Ralph Knott Memorial Maintenance Scholarship of £45 per annum.

London Transport has given details of important NEW PROJECTS. At a press conference on July 27, Lord Latham, chairman of London Transport, announced that work would commence on the construction of the extension of the Bakerloo line from the Elephant and Castle to Camberwell in January next year. Over 500 men would be working on the job, and the work of building the new tube would entail the excavation of over 150,000 tons of earth. The terminal station, which would have three platforms, would be entirely beneath the ground, at Camberwell Green, with escalators and staircases to ground level. It was hoped that in January work would

It was hoped that in January work would begin on the reconstruction of tram depots in readiness for buses which would replace trams to be removed. Early in the New Year two new garages would be built at Stockwell, near Kennington Oval, for 200 buses, and at Rye-lane, in Peckham Highroad, for 125 buses. The cost of these garages and depot works would be £2.800.000.

A programme of building and reconstruction of bus garages had also been commenced. This comprised seven new or reconstructed garages to be started in 1949 and 1950, in addition to those for tram conversion. The first of these new garages was in course of construction at Peckham. In association with this garage there would be a Divisional Medical Centre for the medical examination of London Transport staff in the south-east of London. It was hoped that work would start early in the new year on garages at Garston (Watford), Kingston and Loughton and the extensive reconstruction

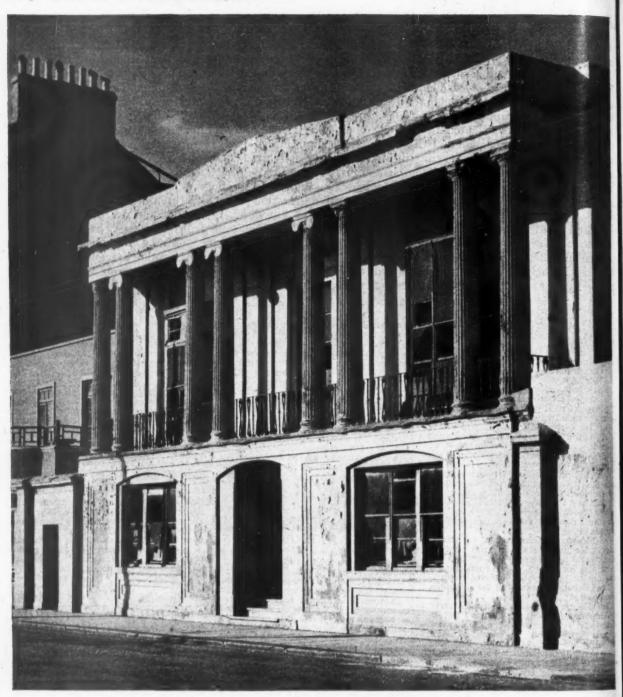
of Shepherds Bush and Hounslow garages. Next summer a new garage would be built at Romford. The cost of these seven garages would be about £1,800,000. Thus, in 1949 and 1950 sixteen road garages would be built or reconstructed at a cost of £4,600,000.

In 1950, the programme of providing additional amenities, including the development of the canteen service and sports facilities, for London Transport staff will be continued.

HARROW SCHOOBOYS recently visited the NEW HOUSE OF COMMONS.

This visit by thirty senior boys was made at the invitation of the I.MBA. The boys are members of the school's engineering society, architectural society, surveyors group and economic sixth. The idea behind the boys' visit is to interest boys from public schools in building as a career. It follows a visit last year to a housing site.

NEW DESIGN METHODS for welded steel structures been introduced. have It is claimed that both steel and money will be saved by the new methods which with the saved by the lew hierholds which are the result of research by the British Welding Research Association. A recent revised British Standard (No. 449) permits welded rigid frames to be designed on their load carrying capacity, but up to now little information has been available about the actual performance under load. The British Welding Research Association has, for some years, been supporting a comprehensive investigation carried out in the Engineering Department at the University of Cambridge. Their work has resulted in a theory which takes into account both the elastic and plastic properties of steel and enables a satisfactorily accurate estimation to be made of the load which can be placed on the struc-ture before it collapses. Long and exhaustive tests have been made of the design methods based on it. At Cambridge, miniature frames and full scale rectangular portals have been loaded to the point of collapse, while measurements have been taken of the stresses and strains produced. The results have confirmed the theory.



Scheduled for Demolition

This building, 57, Marina, St. Leonards-on-Sea, which was once the home of James Burton (the father of Decimus Burton), one of the few men to have had the privilege of building an entire town around

his house, is scheduled for demolition under a town planning scheme. The Georgian Group is supporting local efforts to preserve the building and it is hoped that its historical associations will cause the MOTCP to intervene.

THE CENTRAL LAND BOARD has received 935,000 claims under the 1947 Town and Country Planning Act. The final total of claims on the £300 million received by the Board during the twelve-month period which ended on June 30 was about 935,000. The total sum claimed for cannot be estimated because

many have no amount on them. There has not been time for more than a cursory examination of some of the claims. It is clear already, however, that many thousands of claims will be "non-starters," either on the ground that there will be no development value, or that the development value will be so small as not to qualify under the Act. The number of claims is somewhat above the Board's own estimate, which had to be made before the Town and Country

Planning Act came into force, for the ordering of forms and explanatory pamphlets. The Board are gratified at the publicaresponse. In June there were 780,000 claims, compared with 155,000 in the first eleven months. But on the last evening when the Board kept their offices open until midnight, comparatively few were handed in. The Valuation Staff of the Inland Revenue will now begin the task of assessing the claims.

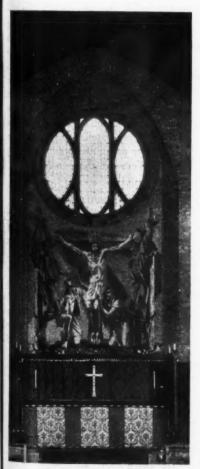
The first order under the SPECIAL ROADS ACT will be made shortly. This Order deals with a section, 27 miles in length, which will run from the north of Twyning, Gloucestershire, to the north of Sydiate Ash, near Bromsgrove, Worcestershire. The motorway, which will have two carriageways, will be 93 ft. in overall width. Other Orders concerning further sections will be made in due course.

NEWS IN BRIEF

Mr. R. J. Gregg has been appointed publicity manager of The Gas Council. He was sales and publicity manager of Ascot Gas Water Heaters, Ltd., for many years and has had wide and varied experience in all fields of publicity.

The annual golf match between the RIBA Golfing Society and the RICS Golfing Society was played at New Zealand Golf Club on July 2Q. The result was a tie of seven matches each.

Mr. Ian Grant has been awarded the Imperial Chemical Industries Travelling Scholarship for 1949, value £250. This scholarship is for study and research in conmetion with the decoration of buildings.



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A mural painting of the Crucifixion by Hans Feibusch at the parish Church of St. Martin, Dagenham, which was dedicated by the Rev. C. B. Mortlock on July 24.

THE OVERGROWN OFFICE

THE main difference between pre-war and post-war architectural offices is one of size. In the last few years there has been a definite trend towards larger office staffs, particularly in the case of publicly owned offices, owing to the large increase in work undertaken by them. This has not led, however, to any marked difference in organization. Can it be assumed from the quantity and quality of the buildings designed by these offices that their organization is satisfactory?

The Building Industry Working Party, which was appointed by the MOW to enquire into the organization and efficiency of building operations in this country, does not include in its terms of reference the question of the organization of architectural offices. This would suggest that official quarters are satisfied with the present output and standard of design produced in public offices. This satisfaction would not be shared by the architectural profession as a whole, or even by the majority of those who are now working in them.

On the contrary, the general feeling is that the public office, having had to grow rapidly in size to cope with the greater amount of work now being undertaken, suffers from its hierarchical structure: from the limitation of responsibility to a few people at the top of the office pyramid, and the execution of work by the many. At the very apex sits the chief architect, no longer occupied with setting a standard of design, as he was so capable of doing in the small office, but, instead, trying to organize and control an unwieldy, overgrown structure; At the base of the office pyramid, where most of the actual designing is carried out, are architectural assistants, frustrated by lack of responsibility, without incentive, and largely isolated from client, site or job. Between apex and base of this pyramid lie a host of intermediaries, able only to make partial decisions, primarily concerned with avoiding mistakes rather than fostering initiative, and each one a potential cause of delays, alterations and the multiplication of

One of the most important tasks of the profession today is to increase the number of young architects with experience of actual building. There is the possibility of perpetuating the present shortage of experienced men if no opportunities are given to those whose practical knowledge has been limited by the war and the economic condition of the country. This inevitably means a change in emphasis in the policy of public offices from one of playing safe to one encouraging enterprise and initiative.

The architect's interest in his work is dependant on his increasing his experience and proficiency, and it is the large office that is most likely to deny him the opportunity to do this. There is a large number of men in the profession who still avoid employment in public offices, and the main reason would appear to be the lack of freedom and responsibility to be found there.

The solution to the problem is not a difficult one. It lies in the spreading of responsibility through the office to a maximum extent. Responsibility breeds initiative, initiative begets experience, and so proficiency is obtained.

Today the country is faced with a building problem not one quarter solved. The main responsibility lies in the hands of public authorities who should not be hampered by a pyramid structure of responsibility which has been caused merely by an extreme rate of growth. The office structure should be broken down and reassembled into small groups, each being responsible for a group of buildings, or part of a building programme, each under an architect who is directly responsible to the client, and whose reputation depends on his efficiency. At the head of the department would be the chief architect, not now primarily concerned with administration, but instead directing the policy of the self-contained groups beneath him. For this policy he, and not the architect working on an actual job, would be responsible to the client. On him, too, would lie the responsibility for the standards of design to be obtained.



The Architects' Journal
9, 11 and 13, Queen Anne's Gate, Westminster, S.W.1
Phone: Whitehall obiz

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THE RIGHT PORT FOR A STORM

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I recently paid what I am ashamed to say was my first visit to Gunnersbury Park, a landscape oasis which lies just north of the coppered minarets along the Great West Road. The house, or houses rather, for there are two of them, are less distinguished architecturally than their three famous neighbours-Syon, Chiswick and Osterley-for they are in essence only large 19th century villas, but they have a long history and considerable charm and confidence. Moreover they are beautifully kept. I whiled away a couple of thunderstorms in the larger house (until 1926 a Rothschild residence) among the pleasantly assorted oddments which form a local museum: arrow heads and Victorian doll's houses, Georgian spoons and Edwardian photographs. grumbled over the giant cedars, rain chuckled through the gutters and dripped from the Chinese valance on the verandah, and from an 18th century map I learned that in 1745 Sloane Square Station was called Bloody Bridge. The gardens stretched out of sight-pools, lawns and orangeries, a lake with boats-(one up on Chiswick this)-hooped rose beds, a brick "ruin," and a real treasure-Princess Amelia's Bath, a roofless, 18th century, grottoesque, 3-roomed structure, badly in need of repair.

Strongly recommended as a park for those of you who are tired of Kensington Gardens, which after this drought looks (and sounds) like a chicken-run.

WHAT S'MATTER NOW

I have just received Smatterbook number 7 on Sir Christopher Wren. The publishers point out with some care that the intention of the series is to give "an extremely useful smattering of knowledge on any given subject." "They will provide talking points in conversation." I hope I am not infringing copyright in passing on Smatter No. 60: "Many of Wren's smaller churches have one aisle or a recess or two or three bays, but, as in his larger structures the design is interesting and pleasing." You can use

that at your next cocktail party. A short outline with many more pictures might be of interest. This series takes altogether too insulting a view of the ordinary man's intelligence.

I WITHOUT A

Confronted by the exquisite drawing reproduced below few people would correctly guess the artist. It is not Keene, Rowlandson, Leech or Doylebut William Mulready, a minor 19th century painter more highly esteemed during his life than he is today, and the subject of sympathetic reassessment by Geoffrey "Mossy" Grigson in the first issue of the new Arts quarterly, Image.

Other delights to be found in this admirable successor to Alphabet and Image are an account by John Summerson of J. M. Gandy's Architectural Visions, and a study by John Lewis of the illustrations of ex-AA boy John Minton. Production? As is to be expected from the A and I teamsuperb. Value for money? Well the quality of the printing is alone worth 5s. to relish. And the autumn issue promises equal pleasure. I always found the purely technical articles on typography in the late A and I rather heavy going myself, but those of you who will miss them, for there are none in I, will be catered for in A-in future to be an annual published every winter. Welcome, then, to Image.

IF YOU WANT TO BUILD A HUT

One effect of the Silkin Act is gradually coming to light. If you want to put up a hut in your allotment garden you have to fill in 3 forms, send 3 prints of a drawing showing all four elevations and a plan of your hut to a scale not less than $\frac{1}{8}$, together with copies of site plan and plot plan. As architect friend of mine has been approached by several bewildered



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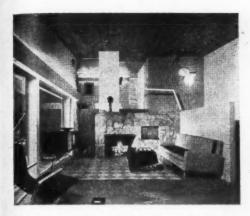
drawing e would t is not Doyle—nor 19th esteemed, and the sment by the first y, Image.

this adibet and Summerhitectural Lewis of oy John to be exteam-Well the ne worth mn issue always rticles on I rather e of you are none in A-in

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Interior of Breuer's two-stage house, New York. Right, plan of house. See Astragal's comment below.



cottagers who find these requirements rather difficult for them to handle by themselves. He is in a bit of a dilemma. If he charges scale fees, not only will his clients find it an onerous charge, but the fees will probably ex-

It would seem quite possible for the planning officers, who must visit the site anyhow, to meet the prospective building owner on the site and agree on siting, colours and so on. Then a formal letter defining the arrangements in precise terms could be sent from the planning office and the whole thing could be satisfactorily recorded on the files. In this way no extra letters would have to be written, the allotment holder or pig-keeper would not be involved in ruinous expense and architects would not feel bound to do a job for nothing.

ceed the cost of the job.

CRITICAL CONDITION

Weeks of almost undiluted architectural criticism in these pages have left me in a critical condition—dangerously liable to analyse the virtues and defects of other structures besides LCC dwellings. Most of those Nottingham buildings, for instance, illustrated on July 7, would not, I suggest, have a very smooth passage if exhibited together in a room furnished with a critics' suggestion box. And take that Breuer twostage house, built at the back of New York's Museum of Modern Art, illustrated on June 2, and the subject of a long article by Lewis Mumford in the current issue of the New Yorker. An ideal programme one would have thought, yet despite undeniable æsthetic qualities in the result, most maladroitly

garage until it can afford stage 2, with its extra bedroom? What guest would feel comfortable housed in a room only accessible through a nursery or a kitchen and alongside the host's children-all Charles Adams types, no doubt? And as for that sitting room with its crushing window lintel, overinsistent chimney stack and worried modelling-what a "clumsy . . . dismal and unappetizing" interior it is. (Adjectives borrowed without permission from LCC commentators.) No wonder we read, "the architect tried to relieve the large scale of the architectural forms with a railing of tension cables." Cut out these forms, Mr.

Breuer, and you won't want the cables.

If you argue that I judge by photographs only-well, so did most of the LCC critics. And if it is your opinion that a house by so deservedly eminent an architect cannot reasonably be criticized in the same breath as the ruleof-thumb dwellings of a local authority, it is no compliment to any piece of modern architecture-nor to its designer-to withhold criticism just because it is "one of ours" and he is one of us." The object of the exercise is not-as Mumford has said-to pluck feathers from the wings of a famous architect, but to show how difficult is the art of designing good houses, despite the freedom that modern methods and materials permit.

NEWS OF THE WORLD'S GARDENS

Every Englishman, we are told by the Nature Correspondents — (remember

"William Boote of Scoop"?)-is at heart a countryman, and I don't doubt that the News of the World, which always has both feet, if not all four feet, on the ground, has got a winner in the idea of a National Garden Show. However, if the idea is all that good it is surely worth spending money to do it properly, and heavier even than the scent of roses at Olympia was the smell of parsimony. I nipped in late on the eve of its opening last week and found the usual last minute rush in full swing. Carpenters hammering, electricians sparking, charwomen brushing, hollow-eved architects searching perpetually for sign-writers, and beneath the watching breasts of a Goddess of Plenty (sculpted by Barney "welltrained" Seal), a fireman tested stand material with his cigarette lighter.

Pleasantly unusual in this familiar scene was the international element. A group of Italians, lapel buttons gleaming, put final touches to their admirable stands, a pre-fab job shipped in cases from the Continent. French gardeners from the Riviera, shirt-tails dangling over shorts, muttered and sweated in a grove of lemon trees, and an endless chain of white and bloated cauliflowers passed from hand to hand. Completely English, however, was the competition stall where basket hats creaked with effort and cloth caps were pushed busily back as the polished onions and scrubbed carrots were laid lovingly side by side on the numbered squares.

With Astragal (a cow-owner but no gardener) three basic impressions remained. First, that Olympia without its lovely blue muslin roof (how unwise to save on this item) is as dingy and misshapen as any Balkan terminus. Second, that as always, the Big Banks had the worst stands. Martin's Travelling Caravan Bank, built out of pink plastic and chromium strips, is more vulgar in the wrong way than anything you would see in a Hollywood fun fair. Third, that both garden design and park layout are still the strongholds of the quaint, the cosy and the coy. Where else could you find an exhibit (quite a good one in its way) labelled "Peter Pan Garden designed by the City of Sheffield "?

ASTRAGAL











Last year the council of Last year the council of the Royal Society of Arts undertook to conduct a competition for a painted wall panel, which the National Cash Register Co. (Manufacturing), Ltd., wished to have installed in the main entrance hall of the office block of their new Dundee factory. The sub-ject of the panel had to be representative of the Scottish scene but, with that proviso, it could embody proviso, it could embody any theme or themes, in-cluding sea and landscape, cities or industries. The first premium of £100 was awarded to Miss Anne Neuland, of Warminster, Wiltshire, whose mural is shown at the top of the page. Beneath it is the panel which won the second premium of £75 for Mrs. Gertrude H. Scales, of London. The top photograph on the left shows the Dundee factory in which the winning design will be placed. Beneath it are two entries which shared the third award. The first was submitted by the Misses Janet and Anne Graham Johnstone, and the bottom panel was the work of Mr. Scott Nisbet . These competitors shared a joint award of £25 each.

LETTERS

James C. Kennedy

Richard Betham A.R.I.B.A.

The Herbert Baker Scholarship

SIR,—In January, 1948, it was made known that the Royal Academy was considering the award of scholarships under the terms of the bequest of the late Sir Herbert Baker, K.C.L.E., R.A. The Royal Academy of Arts, by announcements in the professional and national press, invited young practitioners of the arts who wished to be considered for election to the scholarships to submit their election to the scholarships to submit their name, age, qualifications and aims not later than March 1, 1948. In addition it was stated that the purpose of the Herbert Baker Scholarships was to promote the study of the interdependence of architecture, sculpture, painting and poetic literature, and that the scholarships, to the value of £250, were open to advanced students and young practitioners of the arts in Great young practitioners of the arts in Great Britain, Northern Ireland and the Dominions of the British Commonwealth.

At the time, the whole matter caused quite an amount of discussion, and many were the tributes paid in voice and thought to the architect who had left a bequest to cover such a worthwhile object. It seemed to be a particularly suitable time for the scholarship to be made known, as the time was obviously ripe for research and so many people had been prevented from undertaking

any post-graduate studies by the war.

But apparently the response by those eligible for consideration must have been appallingly small, for it was in March that those few who had applied for election rethose few who had applied for election re-ceived fuller particulars of the terms of the award and notification that applications must be received by May 6, 1948. The document sent to applicants was also given full publicity in the professional Press. From this one learnt that "in making their selection the assessors will give consideration to persons of mature age and judgment; these, having had some experience of actual work in the world, will have learnt from their difficulties and dissatisfactions what to look for in further study," and that the aim of the thesis and testimonies of study or the thesis and restimonies of study which would have to be submitted by the elected scholar "should be a genuine contribution to the subject, for the use of succeeding scholars and of students of the Royal Academy." Some vague hints were included and also worthy advice, such as included and also worthy advice, such as "a very long visit to one place is not advocated, as the prolonged contemplation of beauty, without work, in the particular calling of the scholar, is somewhat conducive to dilettantism," and "those who follow the calling of the arts have much to learn from each other, both for the benefit of their own graft and for the ordered beauty of own craft and for the ordered beauty of art as a whole."

At the end of this interesting document

it was stated that the scholarship to be awarded in 1948 was to be for an architect and the value to be £210, payable in two parts. It was necessary to send a letter of parts. It was necessary to send a letter of formal application, stating age, and giving particulars of previous study and experience, and, in addition, a letter of recommendation from a responsible person who had personal knowledge of the candidate and his career

was required.

What has happened since May 6, 1948?

As far as those who submitted applications know—absolutely. nothing. The Royal Academy of Arts have made no announcement and have awarded no scholarship in 1948, and no details have been given for the 1949 scholarship which presumably. the 1949 scholarship, which, presumably.

PANEL COMPETITION S

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should be for a sculptor, a painter, or a

poet.

It is possible to make guesses for the reasons behind the delay in making the award, such as legal difficulties arising over the terms of the bequest or possible currency difficulties for the travelling student, but guesses should not be necessary. As it stands, the situation is intolerable, and the whole matter is an insult to the name of Sir Herbert Baker. What excuse can there be for this rudeness by the Royal Academy of Arts and breach of faith with the public? A sad story!

JAMES C. KENNEDY

ondon.

The New Towns

Sir.—In the Architects' Journal of June 30 you write of the new towns for the London Region: "it is evident that the fair winds Region: "it is evident that the fair winds with which the schemes were launched have disappeared..., they have drifted into a tort of Sargasso sea where they lie, to all appearances, becalmed." You later call for large-scale action on the part of the Government to overcome this condition.

The Greater London Plan, which embodied is the of previouslike turns round London.

the idea of new satellite towns round London, and which was published in 1944, was based on certain specified assumptions as to post-war conditions; and correct as these assumptions proved to be, as far as they went, they did not take into account a Britain whose economic status in the world would be radically changed.

British pre-war town planning practice, in which the plan was necessarily conceived, grew up in a Britain able to buy, broadly, whatever it wanted from abroad. Economically, at least, our cities were set in the cally, at least, our cities were set in the midst of the endless farmlands of the Dominions, and other food exporting countries; against this background a few thousand account. So it happened that in 1944, and even in 1946, it still seemed that we could afford whatever land was necessary in the light of purely urban ideals. Agriculture remained the passive partner, making no demands, beyond an appreciation of her beauty, in an essentially Victorian marriage of town and country. of town and country.

In the face of changed conditions, which we must surely recognise, can we sincerely urge "large scale action" which will rapidly urbanise tens of thousands more rural acres in the home counties? We can only urge this, I think, if there is no other way—if we, as architects and planners, have no other gestion to make for the proper housing of London.

My own frequent journeys through the outer parts of "built-up" London compel me to think that there is another way. No city can reasonably claim a right to fresh the control of the contr territory whose present boundary encloses to vast an area of wasted land as London's. This wastefulness arose from the speed with which transport was extended before the war, and from sheer lack of planning. It war, and from sheer lack of planning. It akes many forms, but principally it is an insistence, to the point of farce, on the two-storey semi-detached house, and the enclosure, in a derelict condition, of huge areas of vacant land. These vacant patches have never been built up, often because they have become hemmed in by new development adiating from the traffic centres. In all, it is a hidden reserve of land already withis a hidden reserve of land, already withdrawn from agriculture, to which the funda-mental idea of the "new town" could be turned with profit.

To effect a renaissance of the outer zone of London by the foundation of some, at least, of the new towns there, rather than in reast, of the new towns there, rather than in tarming country, would be a more difficult task architecturally, but in material demands on the nation it would be far less; it would offer a more complete solution of London's problem, for the satellite scheme, as it is at present, does nothing to help the present "greater London."

RICHARD BETHAM



The British European Airways Offices in Amsterdam which were designed by Hein Salomonson. Above, the exterior and main entrance of the shop. Below, two views of the interior, showing panels for posters advertising the British Isles.





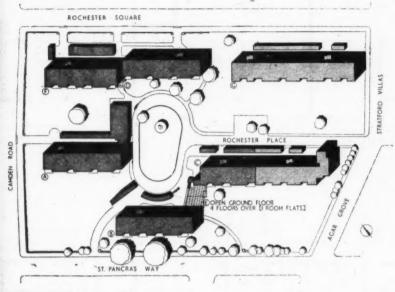
OFFICES AMSTERDAM BEA



FLATS AT ST. PANCRAS

FOR THE ST. PANCRAS BOROUGH

DESIGNED BY NORMAN AND DAWBARN ASSOCIATE IN CHARGE, WHITFIELD LEWIS SENIOR ASSISTANT, C. A. RICHARDS



SITE PLAN [Scale: 114 - 1'0']

PLANNING.—This housing scheme in St. Pancras Way provides 126 flats arranged in five 6-floor blocks and one 5-floor block. The accommodation comprises 12 one-room flats for old people, 18 two-room flats, 43 threeroom flats, 30 four-room flats and 23 five-room flats: Provision is made for a complete additional block "G", and block "C" is being extended, thus increasing the total by 64 flats. Requirements stipulated by the Council included :- (a) One-room flats not to be segregated. (b) Each lift to serve not more than four flats per floor. (c) Constant hot water or independent water heaters; independent solid fuel heating in living rooms. (d) Laundry facilities, either by communal utility rooms in each block or a central communal laundry. (e) Space for

Opposite, view of block B from St. Pancras Way. Right, west facade of block D, facing the central court-yard.

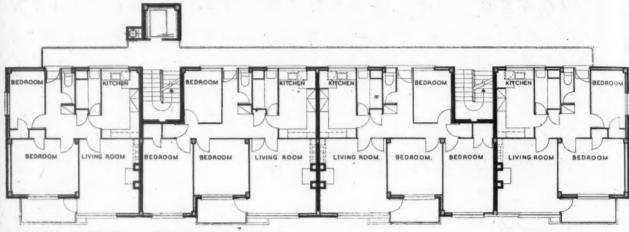


LONDON

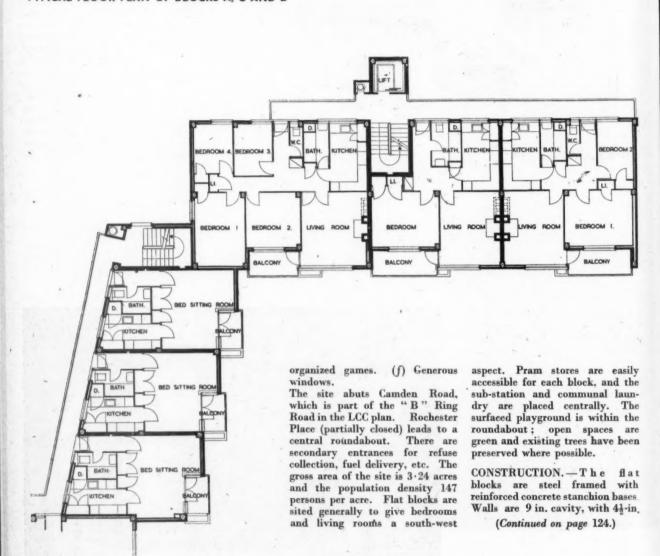
COUNCIL.

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TYPICAL FLOOR PLAN OF BLOCKS A, C AND D

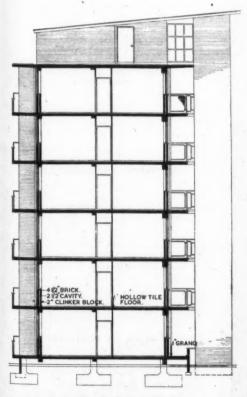


TYPICAL FLOOR PLAN OF BLOCKS C AND E [Scale: # = 1'0"]

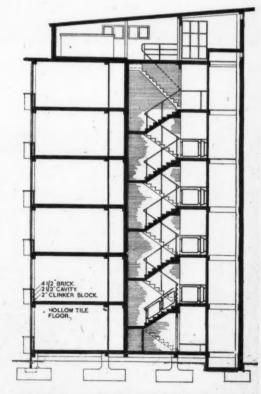
FLATS AT ST. PANCRAS



TYPICAL ELEVATION: SOUTH WEST ELEVATION OF BLOCK A



SECTION BLOCK D [Scale: # = 1'0']



SECTION THROUGH STAIRCASE BLOCK D

BY NORMAN AND DAWBARN

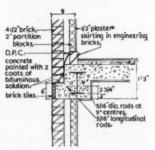
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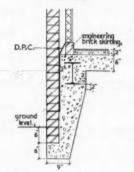
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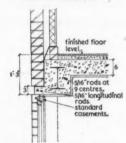




SECTION AT FLOOR LEVEL



SECTION AT GROUND FLOOR LEVEL



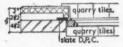
SECTION THROUGH WINDOW



SECTION THROUGH CILL

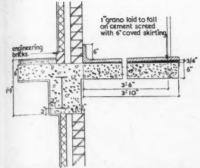


SECTION AT FLOOR LEVEL

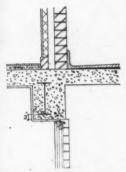


PLAN OF WINDOW [Scale: §" = 1'0"]

Top, left, detail of balconies to the one-room flats of block E. Left, the courtyard and block E from the north.



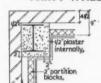
SECTION THROUGH ACCESS BALCONY



SECTION THROUGH BACK WALL AND WINDOW



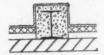
PLAN OF STANCHION IN PARTY WALL



PLANTOF EXTERNAL WALL CORNER

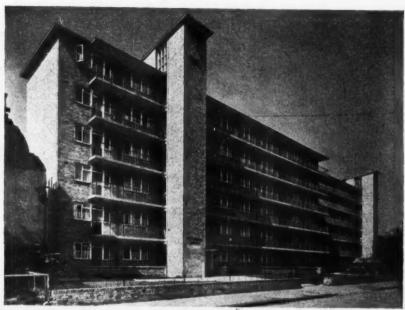


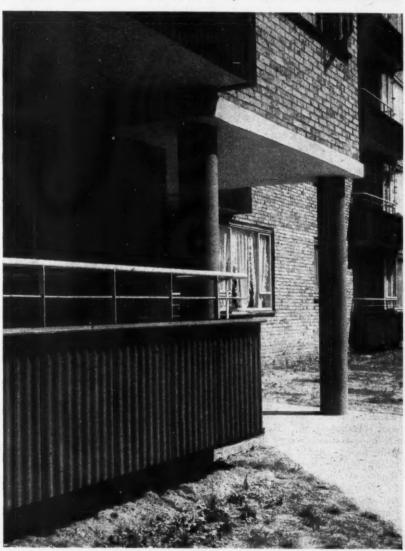
PLAN OF JUNCTION OF EX-TERNAL AND PARTY WALL



PLAN OF EXTERNAL WALL STANCHION

Top, right, Blocks D and F, facing Rochester Square, from the east. Right, the ground floor balcony of block F and the covered way between blocks D and F.



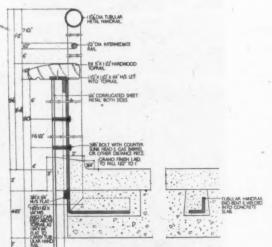




Blocks B, E and C from St. Pancras Way. Block C, on the right, is now being extended.

(Continued from page 120.)

brick outer skin and 2-in. breeze inner skin. Floors and roofs are reinforced concrete hollow tile; cantilevered galleries and balconies are solid reinforced concrete. Partition walls are 2-in. breeze laid on engineering bricks which serve as skirtings. Windows have standard wood frames, and the door frames are of standard pressed steel. The laundry is of brick piers with rendered 9-in. panel walls Roof slabs are hollow tiles screeded to falls with foam slag (average 3 in. thick). Gutters formed in screed. Roofs covered with $\frac{3}{4}$ -in. asphalt. Pram stores have $4\frac{1}{2}$ -in. brick walls externally, with 3-in. brick-on edge load-bearing partition walls. The roof is 3-in, reinforced concrete slab on hyrib shuttering.



COUNTER SAME BOLT
DISTANCE PIECE

VCORRUCATED SHEET
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LINE OF HANDRAE OVER
EDGE OF R.C. SLAB.

NY DIA TUBE ZWY HICH
BITUMNISCH PIET PACKING
V BOLTS

PLAN OF BALUSTRADE TO-BALCONY

SECTION THROUGH BALCONY
BALUSTRADE [Scale: } full size]

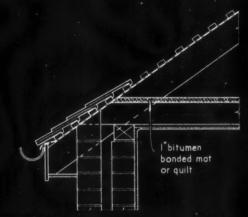
FLATS AT ST. PANCRAS

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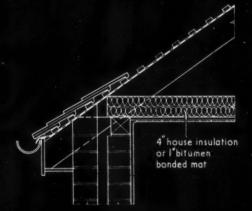


The Architects' Journal Library of Information Sheets 193. Editor: Cotterell Butler, A.R.I.B.A.



construction using l'auilt U = 0.11" " l'bitumen bonded mat U = 0.12" no Fibreglass U = 0.30desirable standard (Burt Committee) U = 0.20

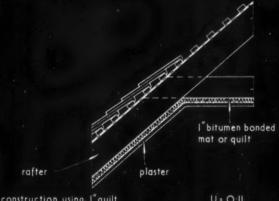
PITCHED ROOFS.



construction using 4" house insulation U = 0.075" " bitumen bonded mat U = 0.12" no Fibreglass U = 0.30desirable standard (Burt Committee) U = 0.20

alternatively Fibreglass may be fixed between

felt and rafters



construction using 1"quilt $U = O \cdot II$ " " 1"bitumen bonded mat $U = O \cdot I2$ " no Fibreglass $U = O \cdot 3O$ desirable standard (Burt Committee) $U = O \cdot 2O$

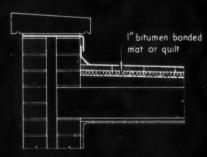
construction using 1"quilt U = 0-11

" " i"bitumen bonded mat U = 0-12

" " no Fibreglass U = 0-56

desirable standard (Burt Committee) U = 0-20

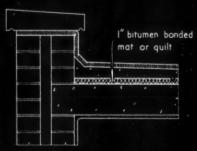
I" bitumen bonded mat or guilt



constructio	n using	l"quilt	U = O 15
		l' bitumen bonded mat	U=016
		4" hse insul between joists	U = O 08
		no Fibreglass	U = O 30
desirable s	tandard	(Burt Committee)	U= 0.20

FLAT ROOFS

ATTIC ROOMS.



construction using	l" quilt	U = O 13
	l" bitumen bonded mat	U = O 14
	no Fibreglass	U= 0.58
desirable standard	(Burt Committee)	U = 0.20

28.E1 · FIBREGLASS · INSULATING MATERIALS : APPLICATIONS TO PITCHED AND FLAT ROOFS OF TRADITIONAL CONSTRUCTION

This Sheet illustrates six examples of the use of Fibreglass materials for roof and ceiling insulation in traditional construction. Other applications that will be dealt with on subsequent Sheets are walls and floors in traditional construction, walls and floors in prefabricated and light-weight constructions, and roofs and ceilings in prefabricated and light-weight constructions.

In each case the calculated thermal transmittance (U) value given for the structure is based on the values for normal conditions.

Sound Absorption

In the constructions shown the use of Fibreglass quilt affords a measure of sound absorption as well as thermal insulation.

Insulation of Water Tanks and Pipes in Roof Space

Where Fibreglass is applied to the roof rafters as shown in the centre right-hand detail it is not necessary to insulate water tanks and pipes in the roof space. Insulation is necessary however in the other constructions shown.

Compiled from information supplied by:

Fibreglass, Ltd.

breglass, Ltd.

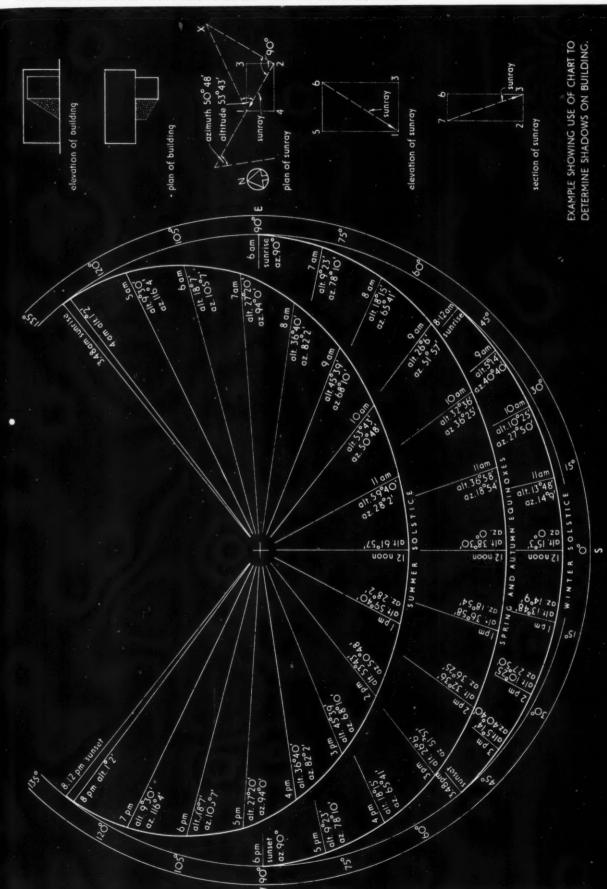
Head Office: Ravenhead, St. Helens, Lancs.
Telephone: St. Helens 4224.
Telegrams: Fibreglass, St. Helens.
London Office: 10, Princes Street, Westminster, S.W.1.
Telephone: Abbey 6803.
Telegrams: Fibreglass Parl London.
Glasgow Office: 136, Renfield Street.
Telephone: Douglas 2687.
Telegrams: Fibreglass Glasgow.
Newcastle Office: c/o Pilkington Bros., Westgate Road.
Telephone: Newcastle 20938
Telegrams: Pilkington Bros., Newcastle

Telegrams: Pilkington Bros., Newcastle





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APPARENT MOVEMENT OF SUN IN RELATION TO OBSERVER ON LATITUDE 51°31'N (LONDON)

4. A 1 APPARENT MOVEMENT OF SUN IN RELATION TO OBSERVER ON LATITUDE 51° 31' N. (LONDON).

This Sheet plots the apparent movement of the sun at the summer and winter solstices and the spring and autumn equinoxes as observed from latitude 51° 31′ N. (London). The data given on the large diagram enables the altitude and azimuth to be plotted for December 21st, March 21st, June 21st and September 21st.

This data enables a building to be orientated and representative shadows to be cast for any or all of these dates.

Definitions

Altitude: The altitude of the sun is the angle measured (at an observer) between the sun and the horizontal.

Azimuth: The azimuth of the sun is the horizontal direction (at an observer) in which the sun lies at a particular moment.

Example

The example shown on the face of this Sheet shows the method of using the chart to determine the shadows on a building at the summer solstice at 10.0 a.m. Procedure is as follows:

- 1. Draw plan and elevation of building.
- 2. Draw line 12 of any length and with similar orientation to the sun line (see chart) for 10.0 a.m. summer solstice.
- 3. Draw lines 13, 32, 24 and 41 parallel to the sides of the building.
- 4. Draw line 1X making the angle X12 equal to the altitude of the sun at 10.0 a.m.
- 5. Draw line 2X at right angles to 12.
- 6. To obtain sun-ray in elevation draw line 13 in elevation, erect 36 equal in length to X2, and draw 65 and 15. The line 61 represents the sun-ray in elevation.
- 7. Similarly construct section.

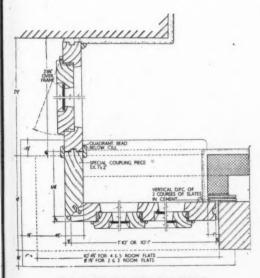
This gives the direction and angle of the sun-ray in plan, elevation and section from which shadows may be cast on the relevant views of the building.

The stages set out above apply to any season or time of day.

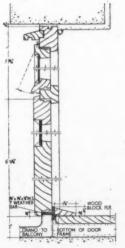
Note: Orientation must be taken from true north and not magnetic north.



The central courtyard, looking south, showing the rear of blocks B, E and C.



PLAN OF DOORS ON TO A BALCONY [Scale: 1/2 full size]



SECTION THROUGH DOORS ON TO A BALCONY

FINISHES .- Walls are yellow stock. Private balconies are tubular steel frame with metalfaced corrugated asbestos sheeting, painted Indian-red or bronze-green. Access galleries and staircase balustrades are steel tube painted blue, with bright yellow wire mesh panels. Staircase walls are distempered grey-green with a painted dado of Indian-red. Windows are painted ivory. Beam faces are finished in grey cement paint. Entrance doors to flats are grey framed with lower panels of oiled oak. The panel walls round lift entrances are blue engineering bricks; lift doors are painted brick-red. Internal walls are two-coat plaster, distempered



The four-storey block E of one-room flats with, left, the end of block B, and right, the six-storey block C, from the south. Opposite the six-storey blocks D and F.

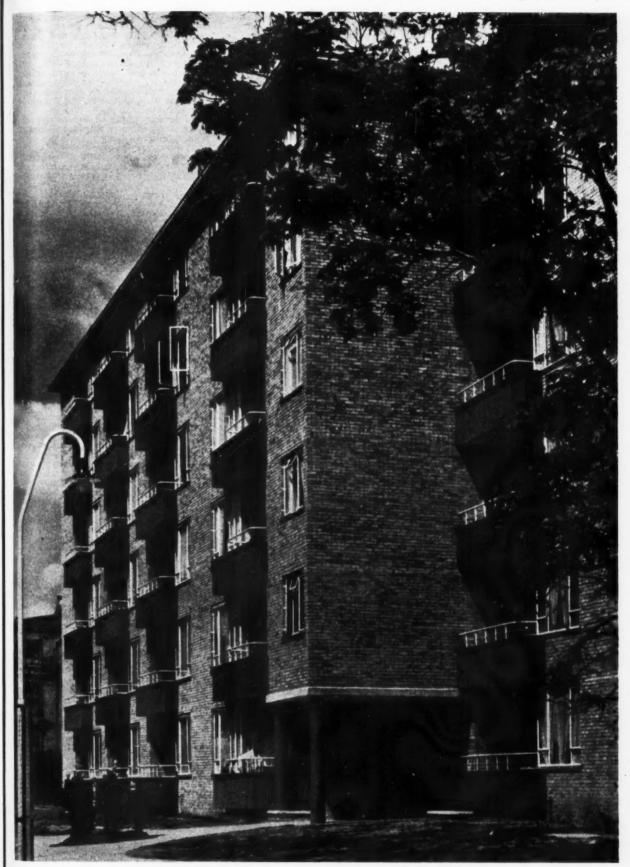
ivory throughout, except for kitchens and bathrooms which are in ivory flat paint. All ceilings are distempered. Living room and bedroom floors are Columbian pine blocks. Kitchen, hall and bathroom floors are mastic asphalt. Kitchens and bathrooms have white-tiled splash-backs; living room fires have slabbed tile surrounds. Floors in the laundry, lobby and cloakroom are terrazzo; in the calorifier room and substation they are granolithic. Walls in the cloakrooms, halls and calorifier room are flat painted and the laundry has a 7 ft. 6 in. dado of white tile. Kitchen units in all flats are finished in gloss paint, ivory for the bodies, grey

for the doors. Draining boards are hardwood. Dresser tops are covered in linoleum.

SERVICES.—All blocks have gallery access to flats, and one lift and two staircases. The two staircases per block (24 flats) are provided as alternative emergency exit.s Refuse chutes are built in. Each flat has a fitted kitchen, built-in fuel bin, and cupboards for meters, linen and clothes. Each living room leads on to a partially recessed private balcony. Flats with three rooms and above have separate w.c. and bathroom. The kitchen-bathroom unit is standardised throughout the scheme, and a large duct contains all services, including soil pipe and

individual storage water-heaters. This duct is easily accessible for maintenance. One-room flats have built-in electric fires to save labour for elderly occupants. The communal laundry is fitted with 20 washing machines arranged back to back, separated by 2 ft. service way to take hot and cold water supply and waste pipes, and to provide access. Hot water is from a 300-gallon thermal storage heater, and a storage water-softening plant is installed. The laundry has a small entrance hall and cloakroom, and is sited with the electrical sub-station.

The general contractor was Harry Neal, Ltd. For list of sub-contractors see page 133.



S



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.

CID

Jordan R. Furneaux Geoffrey and Dunn

Extracts from papers read to members of the CID Furniture Design Conference at the RIBA, 66, Portland Place, W.1, during the week of July 18 to 23.

R. Furneaux Jordan: I am an architect. I hope, as an architect, that I have at least some appreciation of furniture, old and new, in the widest sense. Nevertheless, I emphasize the word "appreciation" as opposed to "knowledge," of which almost certainly I have far less than any member of my audience. In making this distinction between appreciation and knowledge I realise that I am getting dangerously near to saying "I know what I like," but it was with a sigh of relief that I discovered the title of this session of the Conference to be "Background," a title that might serve in part at least as a cloak for my ignorance.

"Background" and "outline" have—ever since the Quennells wrote their admirable books for children—been much abused and over-worked words covering an I hope, as an architect, that I have at least

abused and over-worked words covering an abused and over-worked words covering an excess of superficiality in almost every sphere. The summaries, surveys, outlines and backgrounds of this, that and the other have flowed in an unending stream from the publishers' offices. "Smatterbooks," I note, is the title of a new series. Indeed,

never in history has so much little learning been such a very dangerous thing. And yet, in a more serious sense, "background" is everything—if we get that out of focus, then the care and the craftsmanship that we expend on the foreground details will go for nothing; if we fail to understand the life and times of which we are part, then the buildings, furniture and everything else which we place in front of the living and ever-changing backcloth will be wrong. They may for the moment titillate the imagination. They may be smart. They may even be finely made. They may sell, but, most emphatically, they will not be part of our chapter of the great story of the arts. been such a very dangerous thing. And yet, in a more serious sense, "background" is the arts.

the arts.

The architect, however, in the full sense of builder, landscape artist and townplanner, is seriously and professionally concerned with "background," the whole manmade background of the visual world, for that is his historical position. If, therefore, I can say anything to you today that is worth saying, it must be something about "background" as seen by an architect and not something about furniture as seen by an ignoramus. an ignoramus.

an ignoramus.

In particular, I have been asked to speak of the background of the "contemporary scene," a paradoxical scene—one that is bursting with opportunities, but also one that is wide, wild and bewildering, and, above all. ever-changing.

LIFE AND ART

Before looking more closely at that scene I want to examine for a moment the historical context in which we must see ourselves today. Life and art are one. As philosophies, religious regimes and techniques have changed, so have shoes, vehicles, chairs, buildings and cities. The visual world and the world of thought have always been as two mirrors face to face, reflecting each other. That proposition, to whatever period in the history of man we may apply it, will bear the most searching analysis. It is, therefore, my profound belief—and this is really the theme of what I have to say to you—that the solution, or belief—and this is really the theme of what I have to say to you—that the solution, or at least the direction in which a solution must be sought, even to detailed contemporary problems, can only be found when we have fully grasped the true nature and significance of the contemporary scene, and we can only grasp it when we have, as it were, trained ourselves to stand back and look at ourselves critically and from without, as we can already stand back and look upon, say, the fourteenth or the eighteenth centuries. That process of standing back and seeing ourselves whole and detached is difficult in the extreme; not least of course, since we are always on this side of the instantaneous present and cannot, of the instantaneous present and cannot, try as we will, be quite sure where we are going. It is as much a sociological process as anything else, but if we are to distinguish

as anything else, but it we are to distinguish the technically or æsthetically relevant from the irrelevant, then it must be done.

It may be said that this is all highfalutin' nonsense; that men in, say, the eighteenth century were very good architects, painters and craftsmen of all kinds, that they inherited a rich fund of technical tradition, but that otherwise they worried very little about their place in history or about the about their place in history or about the way in which they differed from their fathers or grandfathers, and that the historical sense is, in any case, a comparatively new thing that most men have managed very well to do without. That, of course, is true, but its very truth raises the first and most fundamental, even shattering, and most fundamental, even shattering, fact about the contemporary scene, the fact which differentiates it from all other scenes—the fact of tempo, the terrific and inescapable tempo of our time. Through all history fundamental changes took place far more slowly than the normal process of birth and death changed the actors on the There have been, of course, through

the millenia, a whole string of significant changes; the use of fire, standing upright on two legs, the wheel, the horse's collar, the lever, the pulley, the chair, double-entry book-keeping, glass, navigation, printing, arabic numerals, the agricultural drill, and arabic numerals, the agricultural grill, and so on, but in each case it was generations before the full significance of the change could be realised, and by then conscious realization was unnecessary, the thing had

This slowness of tempo, this purely sub-This slowness of tempo, this purely sub-conscious awareness of change, was true of all men until about a hundred and fifty years ago. It was true for most men until about thirty years ago. Now, in the contemporary scene, over a great part of the planet, a great many such fundamental changes take place in one man's working life, some-times, one feels, in one man's working week. This extraordinary change in tempo is the first thing we have to grasp about the contemporary scene; we then have to combine it with my other proposition that art and life are one. Inevitably, since history is a unity, since art and life are one, since art forms are the product of man's thinking and resources, such changes are of all kinds. If history has any lesson at all for those of us who are concerned with design it is that the crash of empires and of creeds will combine with new or changing techniques to emerge ultimately in new shapes for spoons, tables and cities, the sum total being the contemporary scene. And of the tempo with which, in our time, new techniques have emerged and empires and creeds have crashed, we cannot complain. In the past, the tempo of fundamental change was, as I have said, so slow that each change, whether in thought or tech-

rique, might embrace at least a generation in its arms. Conscious adaptability was unwanted. Today, since a generation may embrace many such changes, adaptability is all. It is, of course, impossible to measure all. It is, of course, impossible to measure this tempo with precision, it is not a precise thing. But to give rough illustrations of what I mean: it took about three hundred years for the discovery of glass to change radically both building forms and domestic life; it took about thirty years for the discovery of the alloy called steel to alter radically the planning of American cities; it will probably be about ten years before research, first done in the laboratories of the aircraft industry, alters radically the general appearance of English buildings.

THE CONTEMPORARY SCHNE

In case you think I am over-emphasizing this absolute unity of thought, technique and art in bringing about the contemporary scene, let me illustrate from one technical change alone—the internal combustion engine. Fifty years ago this particular invention gave rise to a minor week-end sport called "motoring." Some forty years later, combined with aeronautics and the philosophy of Nietzsche's Superman, it made possible the diplomacy of Adolf Hitler and the battle of Alamein. In the form of the country bus service it has increased social intercourse in rural areas, thereby reducing inbreeding and the consequent incidence of village idiocy, at the same time shifting the centre of village culture from the village itself to the nearest Odeon ten miles away. Paradoxically, when combined with the philosophy of William Morris, it also opened to a romantic middle class the pleasing decay of fourteenth-century woolmarket villages, thus creating a tremendous young for cottages. Furniture, log-fires. pleasing decay of fourteenth-century wool-market villages, thus creating a tremendous vogue for cottages, furniture, log-fires, recipes and even songs and dances about which the villagers themselves no longer cared a brass farthing; although the vogue has, of course, by now come back full circle to the villagers themselves in the form of new in signs travalling towards and booms. new inn signs, travelling taverns and bogus BBC reportage about life in their own pubs. The internal combustion engine has also

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longer vogue circle rm of bogus pubs. also

produced the arterial road, the decentraliza-tion of industry, Dagenham, the Mersey Tunnel, an improvement in the design of picnic sets, and the necessity of Professor Ahercrombie. These are only a few of the elements in

the contemporary scene that have come from the placing together of petroleum gas and sparking plugs, plus certain philosophies and beliefs that had their roots deep in the nineteenth century. There have been other inventions, and I have caricatured one only to show how fundamental such a process is to an understanding of the contemporary scene. In dealing with the more distant past such a process is now a commonplace of the history books, although the tempo in the past was so much slower that the kind of past was so much slower that the kind of self-analysis in which I have been indulging could never have been possible until at least the Victorian era had been reached. If would not have been possible, for instance, for men of the fifteenth century to realize fully how the nice and proper juxtaposition of two optical lenses was undermining their very world. Thomas Aquinas had believed the planets to be lanterns borne around the earth by angels. Those two lenses, the telescope, were to shatter his cosmology, were to surrender north-western Europe to Protestantism, and, through navigation, were to make possible three global empires—Spanish, Dutch and English. The Atlantic world replaced the Mediterranean world, and navigation, combined with Machiavelli's philosophy of the successful prince, substituted the centralized monarchy for the feudal lord, the royal capital for the cathedral city, and the country mansion with lawns and parterres for the ancient abbey with orchards and barns. The grey mystery of Gothic, the dream world of Christendom, gave way to the gilded glories and baroque fantasy of the art of an aristocracy—all out of an invention and a philosophy, neither of which could have existed without the other. self-analysis in which I have been indulging

THE SHAPING OF DESTINY

This process took four centuries. In those four centuries the telescope and compass and gunpowder wrought changes comparable with those made in four decades by the motor-car. Men living in those centuries can never have even sensed the shaping of their own destiny. We can, and plunging back for a moment in time we can learn the lesson; it is always the same—contemporary technique plus contemporary temporary technique plus contemporary thought (materialism plus philosophy), and thus the visual scene shapes itself. There is nothing we can do about it; either we understand both the techniques and philosophy of the page agency which is combined. sophy of our age, an age which is socialist, scientific and sophisticated, in which case scientific and sophisticated, in which case we become part of that age and part of the long story of art, or we turn our back on it and our art is still-borh. The lesson of the past is valid, but for us the tempo is such that the contemporary scene forms and reforms and melts and forms again before our eyes, and so adaptability is all. But what fact, in terms of everyday life, is this adaptability likely to mean? May I illustrate the point from architecture? For over a century—roughly the fifteenth century—the most fundamental change in English building was a change in both build-

century—the most fundamental change in English building was a change in both building type and in building technique, the change from vaulted stone churches to brick mansions. Probably no single person fully and consciously knew that this was what was happening. On the other hand, students of architecture are likely, in the future, to use techniques in which even their own teachers have not been trained; techown teachers have not been trained; techniques which are coming to us from the laboratory and factory rather than from the building industry as we know it. Such techniques will produce their own æsthetic. From shell concrete and extruded metal sections, the prefabricated tubular frames

and the large unbroken surfaces of sheeting material, there may emerge a new sort of elegance, together with areas of clear bright colour or areas lending themselves

to surface pattern.

This slightly Wellsian world, to which the scientist may contribute so much, will, if it is to be something more than a technician's is to be something more than a technician's paradise, need colour, gaiety, richness and even complexity of form. Elegance, gaiety, and richness are none of them new things—they are eternally recurring in the arts—and so to achieve them we shall remember our great traditions in architecture, decoration, furniture and all the industrial arts. When we are saturated in these traditions, when we know every twist and turn in the When we are saturated in these traditions, when we know every twist and turn in the story of the arts, then we can afford to stand back and quizzically regard the centuries. There they are in a row: seventeenth, eighteenth, nineteenth, and, far and away the oddest of them all, the twentieth. When we know how odd it is, and the nature of its oddity, then as designers we may have the courage to be different; not to be different for the sake of it, but simply in accordance with the inevitable dialectic of our time. Thus, in showing as artists our awareness of contemporary society and contemporary technique, we shall simply be doing consciously what the great centuries did inevitably, and so, in the end, perhaps we too may contribute something not less great. thing not less great.

Geoffrey Dunn: I have a belief that retailers have a duty to the public; that duty is to sell them an article that conforms to standards of rightness of function. I have seem customers' own wardrobe doors being re-veneered, and upon enquiry have found that the customer had come to disround that the customer had come to dis-like the inlaid pattern, which, on each occa-sion, was a "sunray" or modernistic design. I venture to say that someone had sold that article because it was "smart," but the customer saw through it in time and wished to have it simplified. Few people can afford to change their furniture every five to six years, and it is up to us to see that they grow fond of it because of its rightness. grow fond of it because of its rightness.

grow fond of it because of its rightness. Now this is where some manufacturers or their representatives in this audience are starting to think, "here it comes again—fitness for purpose, the house is a machine for living in, and all that." Well, they are wrong. I believe that in the furniture trade we can leave behind us something very worth while. As usual after a war, there are many new techniques and materials, and again, as usual, they have been misused—badly handled in such a way as to put the public's back up. The most obvious one is, of course, plastic, but in this great field there are techniques that have been devised by designers who are sympathetic to our way of living, who think in terms of good red mahogany veneers and pleasant textures rather than the everlasting birch and sycamore and cream and ing birch and sycamore and cream and white and harsh colours of so many plastics.

Do not think by my quick reference I am against birch and sycamore; they are, of course, delightful and will always have their place, but shopkeepers are spread over this country serving very different types of public. That brings me to my first point of what I hope to be constructive criticism.

It is in the form of a question. Do manufacturers ever arrange for their designers to rather doubt it. All the designer knows about the North, Midlands and South is what he gleans from the firm's representative. I believe it would be a very useful variance for designer to a good see for tive. I believe it would be a very useful experiment for designers to go and see for themselves and meet the retailers, and with the doctrine: "We want to give you what will sell, but what will also keep us alive mentally and carry on the British tradition in a contemporary manner."

At this point I want to interject one other remark directed at the manufacturers. Have remark directed at the manufacturers. Have they watched the general style of the postwar architecture? The proportions are finer, the detailing simpler, textures and planes are relied upon for visual interest, there is little or no "half-timbering" or "leaded lights" (they are reserved, it seems, for the drinking section of modern railway coaches). Surely our furniture must be in sympathy with the new architecture.

LIVING SPACE

Living space has generally decreased over the last ten years, and such things as dining rooms and sitting room suites are becoming, to my way of thinking, less necessary, though living room furniture is needed more than ever. The principal item of such furniture will be a storage item of such furniture will be a storage cabinet which takes most things from cutlery to toys. Likewise with upholstery, the two chairs and settee have become a habit or have been bought because "Mrs. So-and-so" next door has one. Why not give the "master" of the house a man's chair if he really wants it and then provide some smaller alternatives, particularly a comfortable working chair for women. I am by no means banishing the settee. I am suggesting a little more variety—variety brought about by designing for different purposes. In the specialist's shop there must be furniture with atmosphere. How is the atmosphere to be brought about? Only, I believe, by really sensitive designers—men and women who get a particular thrill out of looking at windmills, canal boats, harness, farm wagons, Victorian pubs, and a best of other things. My references to such of looking at windmills, canal boats, harness, farm wagons, Victorian pubs, and a host of other things. My references to such things may sound airy fairy to many hardheaded business men, but I do not believe them to be. Look at these things and designs will start to appear again that have curves, wood and metal inlay, simple beads and mouldings, cane and such like combina-tions, and, so important, and how so often lacking, decent handles, knobs, hinges, keys and escutcheons.

Designers and manufacturers have a tough job ahead of them. There has been the greatest exhibition of simple furniture ever greatest exhibition of simple furniture ever known; every furniture shop has been full of utility, now it has to be got away from, but not, please, by flying back to reproduction, but by designers who know the public wants a lot for its money, and that dark furniture is, and always will be, in demand, but who also know how to design and apply decoration as an integral part of a piece

There is the question of the top end of the trade, which concerns us from time to time, and here is a quite serious state of affairs. Purchase Tax and the non-availability of good materials appears to have quite stifled the production of firstgrade well-designed contemporary furniture. It seems an alarming position, with the 1951 It seems an alarming position, with the 1951 Exhibition so near and other countries producing some fine quality stuff. There are the customers for it, but until conditions are made easier for it to sell more freely few manufacturers seem prepared to make some stock lines. In the meantime, in the designer's mind the exclusive things like leather, silver, marble, etc., are becoming film memories. dim memories.

However I must return to my subject of everyday well-designed furniture by saying that I hope I have given some idea of what specialized retailers want, namely, furniture that is of today, for today and, by its rightness, for tomorrow. We want furniture that is straightforward but not stark, simple or uncomfortable. We want furniture that is homely and cosy.

I hope I have not sounded stodgy and dull to the young and adventurous designers, for encouragement should be given to experiments and to those who think in terms of plywood and metal and new materials.

INFORMATION CENTRE . INFORMATION SHEETS OUESTIONS AND ANSWERS . CURRENT TECHNIOUE THE INDUSTRY · PRICES · TECHNICAL ARTICLES

TECHNICAL SECTION

A digest of current information prepared by independent specialists; printed 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

I SOCIOLOGY. 2 PLANNING: General. 3 PLAN-NING: Regional and National. 4 PLANNING: Urban and Rural. 5 PLANNING : Public Utilities. 6 PLAN-NING: Social and Recreational. 7 PRACTICE. 8 SURVEYING, SPECIFICATION. 9 DESIGN : General 10 DESIGN : Building Types. 11 MATERIALS : General. 12 MATERIALS: Metal. 13 MATERIALS: Timber. 14 MATERIALS: Concrete. 15 MATERIALS: Applied Finishes, Treatments. 16 MATERIALS: Miscellaneous, 17 CONSTRUCTION: General. 18 CONSTRUCTION: 19 CONSTRUCTION : Details. STRUCTION : Complete Structures. 21 CONSTRUC-22 SOUND INSULATION-TION: Miscellaneous. ACOUSTICS. 23 HEATING, VENTILATION. 24 LIGHT-ING. 25 WATER SUPPLY, SANITATION. 26 SERVICES. EQUIPMENT: Miscellaneous. 27 FURNITURE, FIT-TINGS. 28 MISCELLANEOUS.

3.18 planning: regional and national MINING SUBSIDENCE

Report of the Committee on Mining Subsidence. Ministry of Fuel and Power. (HMSO, 1949. Cmd. 7637. 9d.)

Report on an enquiry into problems of subsidence caused by coal mining. Notes on existing law. Methods of prevention or limiting damage, including references to provisions under the Town and Country Planning Act, 1947, mining methods and structural precautions. Extent of existing damage. Main recommendations concerning right of support, and compensation for all surface interests which suffer damage from subsidence.

10.56 design: building types BUILDINGS UNDER PUBLIC CONTROL

Building for the People. .R. Sheppard. (George Allen & Unwin, Ltd., 1948 (issued 1949). 18s.)

Introductory planning and design analysis of building types under present-day public control. Written by an architect in nontechnical language in order to explain to general public and local authorities those physical standards essential to health and comfort which should govern design. Information grouped under headings of housing, education, health, recreation and open spaces, and neighbourhood centre. Fully illustrated. Some bibliographical references.

In two general chapters the author outlines the local authorities' task in the field of rebuilding for the community, shows the main

causes for the prevailing building shortage and indicates briefly possible solutions for the overall problem, including some comments on prefabrication and standards. The following chapters, which each deal with a particular aspect of building, refer to relevant social and economic factors, to legisla-tive measures, and to the actual siting and design of the buildings, concluding with a few selected bibliographical references.

The section on housing discusses post-war demand and supply, gives a brief history of housing between 1840 and 1939, and refers to the question of subsidies. Siting and location of estates together with the provisions of adequate communal services are outlined, and actual house and flat design are covered from the point of view of physical needs with short notes on equipment and installa-

Educational requirements and the school building programme are dealt with in greater detail including a useful section on school sizes in relation to population. Site sizes and requirements, plan types, construction and finishes are among other points discussed.

Information on medical services refers to clinics, hospitals and health centres while the section on recreation and open spaces covers population densities in relation to the area of open space, the need for playing fields and the value of parks. Finally community development and size, the provision of social clubs and community centres and their

design are briefly outlined.

The concluding section of the book is made up of a pictorial supplement covering all the building types discussed with the author's comments included in the captions. There is no index, which is a regrettable omission in a book which has a certain reference character. Also the extent of the biblio graphical references is rather limited and could be much improved in a further edition. Otherwise the book is a useful primer to desirable standards which should permeate design for buildings having local authorities as clients.

10.57 design : building types HOUSING POLAND

Co-operative Housing in Warsaw. Section of Foreign Affairs of the Polish Ministry of Reconstruction. (Housing and Town and Country Planning Bulletin No. 2 (UN). Country Planning Bulletin No. 2 (UN). April, 1949, pp. 27-33. Obtainable from HMSO. 5s.)

Very interesting illustrated article on work of Warsaw Housing Co-operative founded in 1922 with trade union support. Pre-war experiments. Extent of war damage and postwar reconstruction efforts. Principles of new housing policy including siting, population sizes for settlements, estate layout and actual design of blocks of workers' flats. Notes on communal services in block buildings, on construction methods, and on social facilities provided by the Co-operative.

10.58 design : building types WORKS LAVATORIES

Works Lavatories. Association for Planning and Regional Reconstruction in Co-operation with the Industrial Welfare Society Incorporated. (The Society, 1949. 12s. 6d.)

Well-produced and informative reference book on design, layout, improvement and management of cloakrooms, washrooms and lavatories in industry. Fully illustrated. Annotated bibliography. Buyer's guide,

The purpose of the book is to state the problem of an important aspect of industrial hygiene, to offer suggestions for improvements in the case of existing premises, and to indicate the available range of first-class facilities for incorporation in new buildings. It is divided into two major parts, the first of which deals with the essential individual needs of the worker whether engaged in industry or commerce. A detailed list of those needs is given which only includes the minimum requirements of the healthy individual. Four other important requirements to be taken into account are the number of employees to be served, access distance to sanitary accommodation which greatly influences layout, the supervision of works lavatories, and their general atmosphere of cleanliness. Further chapters deal with the need for good management, give a useful summary of legal requirements under various Acts, and outline the Indus-trial Welfare Society's recommendations for more accommodation than the minimum laid down in the Factories Act, 1937.

The second part of the book consists of two

technical sections. The first provides detailed information on layout, finish, and equipment of cloakrooms, washrooms, sanitary accom-modation and showers. The second is a most useful alphabetical annotated index to a variety of subjects such as materials, structural aspects, fittings, services, etc., which have not been dealt with elsewhere in the book. Finally there is an annotated bibliography followed by a buyer's guide. Many excellent diagrams of equipment and layout are provided, presented in a simple and clear standardized manner.

12.34 materials: metal **ALUMINIUM: STRUCTURAL USE**

Aluminium for Structure, M. Hartland Thomas. (Architectural Design, May, 1949, pp. 124-5.)

Useful summary of article by Paul Wirdlinger. (Progressive Architecture, September, 1948, pp. 77 to 84, and October, pp. 89 to 92.) Discusses the properties of aluminium, the design of suitable sections for structural members, and methods of fabrication.

12.35 materials: metal NICKEL ALLOY ROOFING

Where Nickel Alloy Roofing Pays. Sanitary Engineer (Toronto), April 15, 1949, pp. 36-7.)

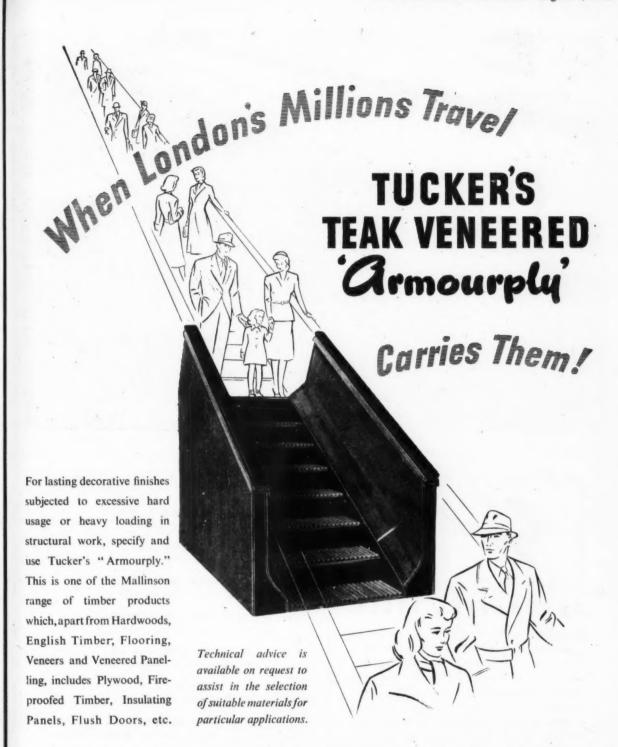
Short article claiming advantages for nevel metal sheet roofing. First costs high, but sheets said to be long lasting, easy to work, presenting few difficulties in application. Illustrated.

13.44 materials : timber GLUING TECHNIQUE

Modern Gluing Technique. G. M. Scales. (Wood, April, 1949, pp. 110-114.)

Discussion of practical aspects of the use of synthetic resin glues with particular reference to urea formaldehyde adhesives. Subjects included are moisture content, pressure, pre-curing, glue spread and penetration

The article, which is well illustrated, will be of particular value to timber users, especially to those in the trade who are concerned with workshop practice.



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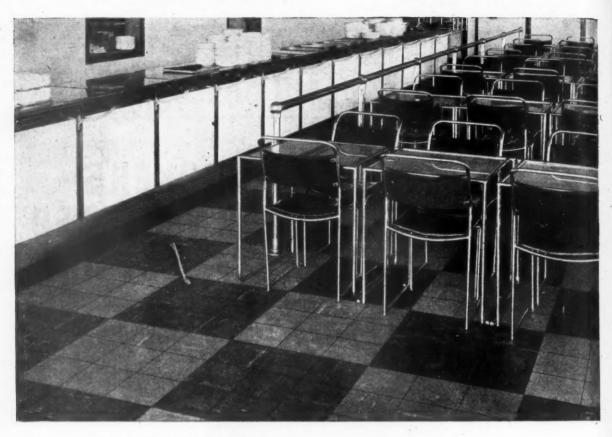
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THE WESTERN TRINIDAD LAKE ASPHALT CO. LTD., Asphalt House, St. Mary Street, Cardiff

17.54 construction: general CHURCHES AND CRAFTSMANSHIP

Old Churches and Modern Craftsmanship. A. D. R. Caröe, (Oxford University Press, 1949. 18s.)

Comprehensive survey on maintenance and repair of old churches.

This book has grown from the experience of some 60 years of professional practice, the first fifty of which were centred in the author's father, William Douglas Caröe, and thorough knowledge and great enthusiasm went into its writing

siasm went into its writing.

The importance of the preservation of old churches need not be stressed. The purpose of Mr. Caröe is to set down information on the subject which will be of practical value to architects and craftsmen, and, at the same time, to provide a general overall picture intelligible to all who care for the well-being of our churches. The book deals with questions regarding general maintenance and diagnosis; foundations; the structure of walls, arches and vaults; wall surfaces; structural timbers; roof coverings, belfries, bell-frames and bells; floors, doors, windows and the treatment of internal surfaces, heating, lighting and scientific equipment; general questions of planning and arrangement of a church and its furniture.

Each chapter is illustrated by characteristic examples from the author's or his father's experience. The repair of a number of well-known churches is described in detail. To give an idea of the great variety that may occur in this type of work, a few examples may be quoted:—

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Stitching, tying in, and strutting a central tower (Brecon Cathedral).

Grouting a tower pier, and tying together heavy pinnacles (Canterbury Cathedral).

heavy pinnacles (Canterbury Cathedral). Relieving the thrust of transept arches on to a nave. arcade (Weston Zoyland). Strengthening cracked vaulting ribs (Canter-

bury Cathedral).

Removing iron from stonework (St. Bride's,

Removing iron from stonework (St. Bride's, Fleet Street).

Rehabilitating a tower threatened with general collapse (St. Hilda's, Hartlepool). As the author states in the preface, his father's methods changed steadily under the impact of new ideas. Such a new idea to-day is prestressing, which no doubt will find an ever increasing application in the strengthening of old buildings, but could, of course, not be included in the first edition of this book.

The combined index and glossary is very convenient. It is amazing how much information has been condensed into this fascinating book, which will be read with pleasure by everybody who is fond of old churches.

17.55 construction: general

PRESTRESSED CONCRETE

Principles and Practice of Prestressed Concrete. P. W. Abeles. (Crosby Lockwood & Son, Ltd. 15s.)

Comprehensive textbook on the theory and practice of prestressed concrete.

This book is based on a series of articles which were reviewed in No. 17.40. The scope of the book has been greatly extended and certain errors which had crept into the original articles have been corrected. The book contains an additional number of photographs and diagrams, and a fuller report on the strengthening by prestressing of a church tower in Staffordshire has been included.

Prestressed concrete is still a controversial subject. There are several systems and methods competing with each other on the market and the number of publications is rapidly growing. It is not easy for the layman not fully conversant with all details to decide upon the relative merits or disadvantages of any particular solution of given problems. Dr. Abeles' book presents an entirely unbiased picture and will be of great help both to architects and engineers. In contrast to other books on this subject the formulæ for the design are simple and allow the choice of a suitable cross section without trial and error. A loosely inserted summary of the notations and separate indices of names and subjects greatly facilitate the use of this most valuable contribution to the theory and practice of prestressed concrete.

18.30 construction: theory FIRE RESEARCH

Report of the Fire Research Board for the Year 1947. (HMSO, 1949. 1s. 3d.)

First annual report of new organization of DSIR and Fire Offices' Committee Joint Fire Research Organization.

Under this new organization of fire research, which carries on work previously done at the Fire Research Testing Station at Elstree and also at the Building Research Station, the first year's work was largely of a consolidating nature. The report contains very little of immediate practical usefulness to architects but gives a useful picture of the present organization and indications of the scope of the fire research programme.

24.116 lighting LOUVRED CEILING LIGHTING

The Fallacy of the Louverall Ceiling. D. E. Spencer, W. H. Buck and A. A. Wolfson. (Illum. Engineering [USA], Mar., 1949, p. 169)

Reflected glare, discomfort of louver ceilings. Illustrated.

The authors say that louverall ceilings cause reflected glare, i.e., glare from reflections of bare lamps, etc., on tables and work. They also say that because bare lamps are visible at some angles the brightness ratios in the room are bound to be high. They measure them at 60:1 and say that a comparison ceiling of ordinary tracing paper lighted from above was much better because the ratios were reduced to 3:1.

This is getting on to matters of judgment rather than measurement, and if they say a tracing paper ceiling is acceptable without any direct lighting, one may doubt their judgment.

28.11 miscellaneous

ABSTRACTING AND INDEXING

List of Current Specialized Abstracting and Indexing Services. International Federation for Documentation. (The Federation, The Hague, Holland. 1949. 8s. Obtainable from ASLIB.)

Useful list prepared for recent UNESCO Conference on Science Abstracting in Paris.

This mimeographed list is the first to be issued covering abstracting and indexing services mainly in the fields of pure and applied sciences. It is fairly comprehensive but does not claim to be exhaustive.

not claim to be exhaustive.

Items listed are arranged under Universal Decimal Classification headings and give titles and places of publication together with—as far as is known—the numbers of abstracts and titles produced by a particular service, frequency of publication, subscription rates and language used unless evident from the title.

A numerical key to the classification headings is given which should have been augmented by an alphabetical key in order to assist users other than librarians and documentalists. The price of this 23-page pamphlet seems excessive.

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 AND ANSWERS

2995 SMOKY CHIMNEYS

I understand that some time ago a booklet or pamphlet was published on how to cure unsatisfactory chimneys to open fireplaces. I have been unable to trace this and should be glad if you would let me have any reference available.

A pamphlet in the "Building Science Questions and Answers" 4th Series No. 3 entitled "The Cure of Smoky Chimneys" is obtainable from the Librarian, RIBA, 66, Portland Place, London. W.1, price 6d.





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HOUSING POLICY IN DENMARK

By Ian Bowen

The British economist must find that the most remarkable features of housing policy most remarkable reatures of housing policy in Denmark since the end of the war are the extent to which social housing policy is managed societies, and the great use that is made of the weapon of the rate of interest. Both was formally adopted by an Act of 1946, but, of course, the system of housing societies is much older than that.

Since 1946 the position has been that the central government provides financial assistance for housing through two channels-by loans direct to municipalities, and by loans to housing societies which have been recognized by the State and have drawn up their bye-laws in accordance with the State's requirements. The administration of housing matters in Denmark is carried out by a Ministry of Housing, a piece of machinery which, it will be remembered, appeared in the British Labour Party's Election Programme of 1945, but which was subsequently abandoned.

THE DANISH HOUSING SOCIETY

The Danish Housing Society is a nonprofit-making organization, set up in respect of any local housing demand and sponsored the State. The administrators of the Society vary from place to place, but may consist of lawyers, accountants, ex-civil servants, and so on, who draw up the necesdocuments for the State's approval. The financing of the house building is done under four headings. A first mortgage is taken out, and then a second mortgage, providing funds for about 30 per cent. of the cost. For the remaining part of the cost, the State itself lends money up to 97 per cent. of the total. The remaining 3 per cent is put down in cash by the tenant or prospective occupier. A proportion of the money raised on mortgage is guaranteed by the municipality concerned.

The advantage secured by this system is that in a sense there is no landlord, since the mortgagors, the State and the occupier each have a share in the provision of finance. The first mortgage is often advanced to the secure of the secure o vanced at 4 per cent. and the second mortgage at $4\frac{1}{2}$ per cent. Usually, the State loan, which is the substantial contribution, is advanced at a specially low rate of 2.2 per cent, for permanent houses or 1.7 per cent, for what are called family houses (row houses or semi-detached houses). The 3 per cent, which is advanced by the tenants earns The housing society is not the interest. owner of the property but the administrator of the funds, and also has the important of supervising the actual building work

THE PLACE OF THE ARCHITECT

The visitor to Denmark is at once struck by the great ingenuity of design displayed many of the permanent houses housing estates that have been put up since 1946. Quite a number of houses were built in Copenhagen during the war, but they were sub-standard in many respects owing to the shortage of materials. The more recent building is far more interesting, and it is hoped to give a more detailed account of it in a later article.

An organizational point that needs to be emphasized is that the institution of separate housing societies results in a pleasing diversity of design. The housing society places the responsibility for the building work in the hands of architects who are members of it. They have full responsibility for the design and execution of a complete policy of housing for a particular

The architect has a specially big responsibility in Denmark, since the contracting system is nearer to that of Scotland than to that of England and Wales. The general building contractor is practically unknown, and the architect, therefore, has to progress the work of specialists and arrange for contracts to be let for each separate section of specialized work.

It has been mentioned that the rate of interest at which the State advances money for building houses is especially low and for building houses is especially low and is graded according to the type of house under construction. By this means, and not by direct subsidy, the State ensures that the weekly or monthly payment by tenants is far below what it would be for houses financed privately. Nor is a ceiling placed on the cost of housing. It is up to the housing societies to build as wall as they housing societies to build as well as they can for reasonable prices. At the present moment one of the most pressing problems with which the Danish Ministry of Housing is concerned is the very high level of building costs. The administration is no doubt well aware that by its policy of meeting the working-class demand for housing it has helped to drive these costs upwards, but regards this as an inevitable penalty that has to be paid to secure results. Each housing society is interested in economy, since it will not wish to have houses left on its hands, and wishes to charge a rent that the traffic will bear.

Private societies can also get loans from the State covering a smaller percentage of the total cost and paying a higher interest for such loans as they do get. also special terms for private persons build-ing on their own account. Both private societies and private persons get loans from the State at less than the commercial rate of interest, although not on quite such favourable terms as the housing societies.

PROVISION FOR LARGE FAMILIES

A special feature of the system is the provision made for families with children. Families with specially low incomes or three children get loans at a lower rate of interest. and there are subsidies for each additional child. Thus, 40 per cent. of the rent is made a gift to families of four children, 50 per cent. to families of five children, and

Denmark, of course, being a much smaller country than Britain, has, in absolute terms, a smaller housing problem. Nevertheless, there are surely lessons to be learned from the highly successful system which the Danish people and Government have worked out for themselves. A housing society, or some equivalent organization, provided for each separate region or subregion in Great Britain, might offer a solu-tion to the difficulty that design for our working class housing is at present under the control of councils of very varying degrees of technical knowledge, which then have to be prodded and supervised to some extent by various Government departments. The housing society seems an admirable compromise, provided that it can be kept

on the completely non-profit making basis
that is successfully secured in Denmark.
It is impossible to compare the Danish
housing society and the British building society in its modern form, but the housing society is a model which might well be fol-lowed voluntarily by groups of local authorities, who could pool their needs and form a co-operative group to have these needs fulfilled with the greatest possible responsibility thrown on to the managing architect. Such a reform could never be realized unless the Ministries concerned were willing to support it, but it might result in a devolution of responsibility which would cut out much of the over-centralized ad-ministration of which so many complaints are heard.

Buildings Illustrated

Flats at St. Pancras. (Pages 118-127.) Architects: Norman and Dawbarn. General contractors: Harry Neal Ltd. Demolition: contractors: Harry Neal Ltd. Demolition:
S. Bishop & Sons. Roofing asphalt: Neuchatel Asphalte Co. Flooring asphalt:
Durable Asphalte Co. Reinforced concrete:
Caxton Floors Ltd. Bricks: Cement Marketing Co. Steelwork: Redpath Brown &
Co. Glass: Aygee Ltd. Woodblock flooring: Horsley Smith & Co. Grates and tiled surrounds: John Knowles & Co. Gashitting: The Gas Light & Coke Co. Electric wiring: Powerlite Electrical Installations. Plumbing: J. H. Shouksmith & Sons. Sanitary fittings: Associated Clay Industries Ltd. Door furniture: Nettlefold & Sons. Windows: Rippers Ltd. Fireproof doors and metal work: Light Steelwork (1925) Ltd. Iron staircases and fireproof doors: S. W. Farmer & Sons. Plaster: Plastering S. W. Farmer & Sons. Plaster: Plastering Ltd. Joinery, kitchen fittings: Kandya Ltd. Marble, terrazzo flooring: Camden Tile & Mosaic Co. Tiling: A. Bleakley & Co. Painting: Daps Ltd. Lifts: Bennie Lifts Ltd. Water supply: Metropolitan Water Ltd. V Board. Water-softening plant: Permutit

Announcements

Mr. Gabriel Newman and Mr. Sidney Kave have commenced practice under the title of "Kaye and Newman" at 52, Brook Street, Mayfair, and would be pleased to receive trade catalogues.

Mr. A. Heslop

Antrum, A.

Mr. A. Heslop Antrum, DIP.ARCH., A.R.I.B.A., would be pleased to receive trade catalogues at 31, Addison Road, Kensington, W.14 (tel.: Western 1134).

Mr. George R. Bruce has been appointed County Architect for Cardiganshire. His address will be County Hall, Aberayron, Cardiganshire.

The Ministry of Works has announced that a reduction of 5 points in the plusage on the basic list prices of galvanized tanks and cisterns manufactured by members of Galvanized Tank Manufacturers Association came into operation on May 23.

The BOT announce that hardwoods, except okoume logs, can now be imported from Gaboon (French Africa). Timber Control have accordingly amended Table Appendix "A" of the Hardwood Overseas Procurement Scheme Part III.

A further adjustment has been made by he Timber Control of the Board of Trade in the permitted dimensions of certain hardwoods (normal maximum dimensions 4 in. by 4 in. by 48 in.) used for flooring blocks, etc. In order to obtain the usual lengths of strips for the manufacture of flooring, the length of 48 in. can be exceeded provided the thicknesses are 1 in. or 14 in. and the minimum width 44 in.
At the Annual General Meeting of the
Resistance Welding Machine Manufacturers' Section of the British Electrical and Allied Manufacturers' Association, held at 36, Kingsway, W.C.2, Mr. R. W. Ayers was elected chairman for the year 1949/50, Mr. F. Simmons was elected deputy-chairman and Mr. E. S. Waddington vice-chairman. held

and Mr. E. S. Waddington Vice-chairman.
Mr. Alexander Johnston, J.P., having asked
to be relieved of the combined duties of
chairman and managing director of the
North British Rubber Co., Ltd., the Board
have appointed Mr. John K. Coutant and
Mr. Douglas H. Gordon as joint managing
directors. Mr. Johnston will continue to
set as chairman of the Board. act as chairman of the Board.

Mr. Michael Brashier, A.R.I.B.A., chartered architect, has commenced practice at 11, Gayfere Street, Westmnister, S.W.1 (tel.: Abbey 3181), and will be pleased to receive trade catalogues, etc.

Labourers

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. Detail prices of materials are given quarterly.

BASIC MATERIALS	BASIC PRICES AND RATES OF WAGES, 1949						
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Portland cement (6 tons and over) per ton Paper bags " 2-in. unscreened ballast	#60/6 11/- 14/5 85/- 42½% 189/- £17 16s. 6d. 84/9 £142 10s.	60/6 11/- 14/5 85/- 42\frac{1}{2}	60/6 11/- 14/5 85/- 42½% 189/- £20 3s. 6d. 84/9 £124 10s. 71½% 46/3	60/6 11/- 14/5 85/- • 42½% 189/- £20 3s. 6d. • 89/6 £112 5s. 71½% 43/6	60/6 11/- 14/5 85/- 42½/- 189/- £20 3s. 6d. 	60/6 11/- 14/5 85/- 42½% 189/- £20 3s. 6d 89/6 £99	
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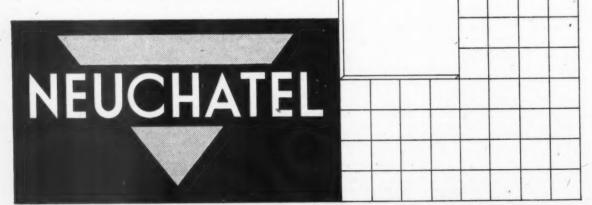
Prices of materials above include for delivery to site in the Central London Area, and the rates of wages for London only.

Current rates of wages outside London are as follows: Liverpool and District, Craftsmen, 2/11½; Labourers, 2/4½.
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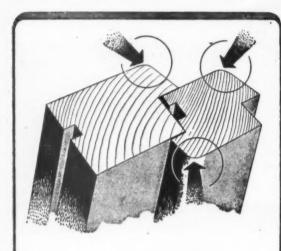
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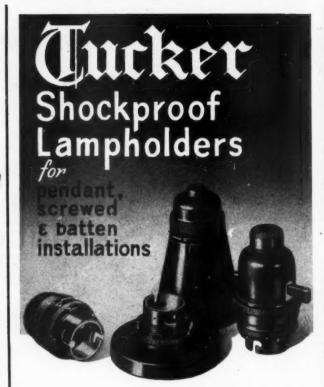




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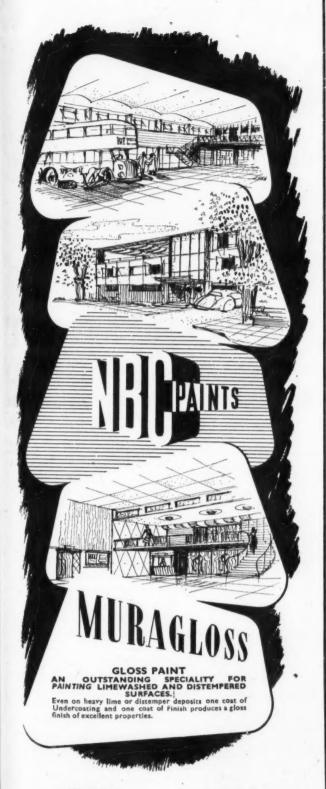
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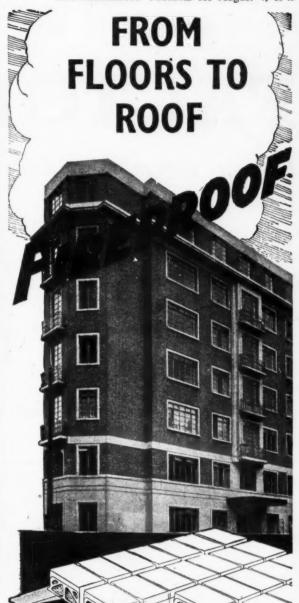
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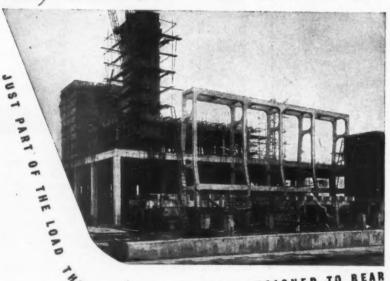
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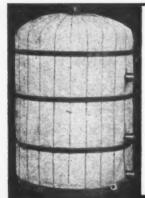
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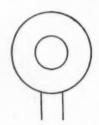


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LONDON COUNTY COUNCIL.
Applications are invited for unestablished positions of (i) ARCHITECT, Grade III (salaries up
to 2700 a year) and (ii) ARCHITECTURAL
ASSISTANTS (salaries up to £580 a year), in
the Housing and Valuation Department. Commencing alaries in either grade will be determined according to qualifications and experiacce. Engagement will be subject to the Local
Gevernment Superannuation Acts, and successful
candidates will be eligible for consideration for
appointment to the permanent staff on the
securrence of vacancies.

Saccessful candidates will be required to undortake the design, layout and preparation of working drawings for housing schemes (cottages and
multi-storey flats), and will be employed in the
Housing Architect's Division. Preference will be
given to candidates holding a recognized proressional qualification may be obtained from
the Director of Housing, The County Hall, Westminster Bridge, S.E.I (stamped addressed envelope
required, and quote Ref. G.R.3). Canvassing disqualifies. (2269)

COUNTY OF ESSEX.

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The Essex County Council invite applications
for a SECTIONAL ASSISTANT ARCHITECT in
the Office of the Borough Engineer of Ilford.

Applicants should be Members of the Royal
Institute of British Architects and have had considerable experience in the planning, designing,
construction and supervision of School buildings
and have had administrative experience.

The scale of salary will be in accordance with
the National Joint Council, A.P.T. Division,
Grade VII, £635×£25 to £710, plus the appropriate London area allowance. There will also
be paid such travelling and subsistence allowances as may from time to time be determined
by the Council.

Applications should be made on a form to be
obtained from, and returned to, the Borough
Education Officer, Education Offices, Town Hall,
Illord, together with copies of not more than
three recent testimonials, within 14 days of the
appearance of this advertisement.

1603

Illord, together with copies of not more than three recent testimonials, within 14 days of the appearance of this advertisement. 1603

URBAN DISTRICT OF FELTHAM.
APPOINTMENT OF TECHNICAL ASSISTANT.
Applications are invited for the temporary appointment of Technical Assistant, in the Ragineer and Surveyor's Department, at a salary at the rate of £570 per annum.
Applicants must be good draughtsmen and should have had experience of honsing and construction of roads and sewers. Preference will be given to applicants who have had previous experience in the Department of an Engineer and Surveyor to a Local Authority. The appointment will be subject to the National Scheme of Conditions of Service and to one month's notice in writing on either side.

Forms of application may be obtained from the undersigned, to whom they should be returned, accompanied by copies of not more than three testimonials, not later than Jist August, 1949.
Canvassing will disqualify, and applicants must disclose in writing whether, to their knowledge, they are related to any member of, or the holder of any senior office under the Council.

M. W. COUPE.
Council Offices, Feltham, Middleesx.

20th July, 1949.

BURGH OF MUSSELBURGH.
APPOINTMENT OF ACRIMITECTURAL
ASSISTANT.

Applications are invited for the post of Architectural Assistant in the department of the Burgh Surveyor and Housing Director. Applicants should be registered Architects and have had experience of Local Authority housing (including preparation of Layout plans, house designs and details). The scale of salary is J. I. C. Scale, Grade III, £450x £15-£495 per annum. The Council are prepared to let a house, if required, to the candidate selected. The appointment is subject to the provisions of the Local Government Superantion. Applications, and experience, and accompanied by copies of three recont testimonials, should be ledged with the undersigned within 14 days of the first appearance of this advertisement.

Municipal Offices, Musselburgh.

Municipal Offices, Musselburgh. Town Clerk 13th July, 1949.

COUNTY BOROUGH OF MERTHYR
TYDFIL.

APPOINTMENT OF PLANNING ASSISTANTS.
Applications are invited in respect of two
vacancies for JUNIOR PLANNING ASSISTANTS, in the Town Planning Section of the
Borough Engineer's Department, at a salary in
accordance with A.P.T., Grade II, commencing
salary £420 p.a. (rising by three annual increments of £15 p.a.) to £465 p.a.
Applicants should have the Intermediate qualification of the Examination of the Town Planning Institute and/or an Engineering or Architectural Intermediate qualification and experience
in a Town Planning Department.

The two successful applicants will be engaged
principally on survey work, graphing, charting
and cartography. The appointments are subject
to the Local Government Superannuation Acts
and the Corporation's Staff Canditions of Service.
Successful candidates will be required to pass a
medical examination and the appointments will
be subject to one month's notice on either side.
Applications, setting out age, qualifications, past
and present appointments, details of experience,
together with copies of not more than three recent
testimonials, should be delivered to the undersigned not later than the 17th August, 1949.
Canvassing in any form will be deemed a disqualification, and applicants must disclose in
writing whether they are related to any member
or senior officer of the Council.

EDWARD ROBERTS.
Town Clerk.

EDWARD ROBERTS, Town Clerk.

Town Hall. Merthyr Tydfil. 15th July, 1949.

BOROUGH OF WREXHAM.

ENGINEER AND SURVEYOR'S DEPARTMENT (HOUSING SECTION).

Applications are invited for the following appointments in the Borough Surveyor's Department, mainly for duttes relating to the Corporation's Housing Schemes:—

(a) SENIOR ASSISTANT ARCHITECT.

A.P.T., VII, £635-£710 per annum.

(b) SENIOR ASSISTANT ENGINEER. A.P.T.,

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Va. 2550-£610 per summ.
(c) ARCHITECTURAL ASSISTANT. A.F.1.,
(II. £420-£465 per annum.
Particulars and Conditions of Appointment (which includes the provision of housing accommodation and payment of removal expenses if appropriate), with Form of Application. may be obtained from the Borough Surveyer, 31, Chester Street, Wrexham,
Applications, accompanied by copies of two recent testimonials, to be forwarded to me in envelopes endorsed with the description of the appropriate appointment, so as to be received not later than Monday, 15th August, 1949.

PHILIP J. WALTERS,
Town Clerk.

Guildhaff, Wrexham. 18th July, 1949.

BOROUGH OF CHATHAM.

BOROUGH ENGINEER AND SURVEYOR'S

DEPARTMENT.

APPOINTMENT OF ARCHITECTURAL

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Applications are invited for the appointment of
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Architectural Assistant, at a salary in accordance with Grade V of the A.P. and T. Division (£220-£570 per annum).

Applicants should have good architectural experience, and be competent to undertake the preparation of working drawings and details for housing schemes, including multi-storey flata. Preference will be given to Associates of the Royal Institute of British Architects.

The appointment will be terminable by one month's notice on either side, and will be subject to the Provisions of the Local Government Superannuation Act, 1937, and to the successful candidate passing a medical examination.

The conditions of service will be those of the National Joint Council for Local Authorities' Administrative, Professional, Technical and Clerical Services.

Housing accommodation will be made available if required.

Applications, stating age, qualifications and experience, together with the addresses of two persons to whom reference may be made, should be forwarded to Mr. H. D. Peake, M.Sc. (Eng.), Borough Engineer and Surveyor, Town Hall, Chatham, not later than Thursday, 1st September, 1949, envelopes being suitably endorsed. Canvassing, either directly or indirectly, will disqualify.

ROWLAND NEWNES,

ROWLAND NEWNES, Town Hall, Chatham. 20th July, 1949.

Applications are invited for filling vacancies the South-Eastern Regional Office at Tunbridge

in the South-Eastern Regional Office at Tunbridge Wells.

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BOROUGH OF NELSON
APPOINTMENT OF ARCHITECTURAL
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F. W. BOBERTS, Town Clerk. Town Hall, Nelson. 19th July, 1949.

Town Hall, Nelson.

19th July, 1949.

BUCKS COUNTY COUNCIL.

The County Architect is seeking qualified ASSISTANT ARCHITECTS who possess a keen and energetic enthusiasm for their profession. Candidates should preferably have been trained at a recognized School of Architecture and have a flair for design. Salary, Grade V. £520-£570 p.a.; Grade VI. £595-£660 p.a.

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ONE ASSISTANT QUANTITY SURVEYOR, Grade VII. Salary £635-£710 p.a.
ONE ASSISTANT QUANTITY SURVEYOR, Grade IV. Salary £680-£525 p.a.
Further particulars and forms of application may be obtained from the County Architect, County Offices, Aylesbury, to whom they must be delivered by 13th August, 1949.

BOROUGH OF BARNES.

APPOINTMENT OF PERMANENT ARCHITECTURAL ASSISTANT, GRADE III.
Applications are invited for the above appointment, in the Borough Engineer and Surveyor's Department, at a commencing salary of £450, rising by annual increments to a maximum of £495 per annum, plus London weighting. Applicants should be good draughtemen and be capable of preparing plans and details for general architectural work.

Preference will be given to applicants having an architectural qualification. The Council are

of preparing pages and the country of the country o

W. R. SHEPHERD, A.M.I.C.B.,
A.R.I.C.S.,
Borough Engineer and Surveyor.
Municipal Offices, Sheen Lane, S.W.14. 1626

LONDON COUNTY COUNCIL.
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Vacancies in the following grades (some permanent) :-PLANNING OFFICER, Grade I, £840 to £960

year. PLANNING OFFICER, Grade II, £700 to £840

PLANNING OFFICER, Grade III, £550 to £700 a year. TECHNICAL ASSISTANT (a), £440 to £580

a year. TECHNICAL ASSISTANT (b), 55s. to 167s. 6d.

TECHNICAL ASSISTANT (b), 55s. to 167s. 6d. is week.

Candidates for Grade III positions and above should possess architectural, surveying or town planning qualifications, and will be engaged on either (a) Research; (b) Development Plan. and Survey; (c) Development applications, or (d) Reconstruction Areas and detailed planning.

Full particulars and forms of application obtainable from the Architect to the Council (AR/P/P), The County Hall, Westminster Bridge, S.E.I (enclose stamped addressed foolscap envelope). Canvassing disqualifies. (193)

COUNTY BOROUGH OF WEST BROMWICH.
Applications are invited from suitably qualified persons for the following appointments in the Borough Surveyor's Department:

(a) ARCHITECTURAL ASSISTANT. A.P.T.,
(b) ADVITED AND ASSISTANT. (b) ADVITED AND ASSISTANT.

(a) ARCHITECTURAL ASSISTANT.

Grade V (£520-£570).

(b) ARCHITECTURAL ASSISTANT.

Grade II (£420-£465).

(c) ENGINEERING ASSISTANT.

Grade IV (£480-£525).

(d) ENGINEERING ASSISTANT.

A.P.T.,

Grade III (£450-£495).

The appointments may be made at a point within the scales, according to qualifications and experience.

within the scales, according to qualifications and experience.

The appointments are subject to the Local Government Superannuation Act, 1937, and the successful applicants will be required to pass a medical examination.

Applications, appropriately endorsed, stating age, qualifications, experience, present and past appointments, together with the names of two persons to whom reference can be made, should be delivered to the undersigned not later than Wednesday, 24th August, 1949.

H. SCHOPIELD, B.Sc.(Eng.),
A.M.I.C.E.,
Borough Engineer and Surveyor,
July, 1949.

COUNTY BOROUGH OF NORTHAMPTON.
DEPARTMENT OF BOROUGH ARCHITECT
AND TOWN PLANNING OFFICER.
APPOINTMENT OF ASSISTANT ARCHITECTS.
Applications for the under-mentioned permanent posts, stating age, qualifications, experience, past and present appointments and salary, whether related to any member or senior officer of the Council, and giving the names of two persons to whom reference can be made, should be delivered to J. L. Womersley, A.R.I.B.A., A.M.T.P.I., Borough Architect and Town Planning Officer, not later than 10th August, 1949.
SENIOR ASSISTANT ARCHITECT. Grade VI. A.P.T. (2595-2660).
The successful applicant will be required to take charge of the "General" Section of the Department, which deals with all architectural building and maintenance work of the Health, Baths, Estates, Markets and Town Hall and Watch Committees.
Candidates must be Associates of the R.I.B.A., have considerable experience in design and construction, and must be capable of carrying contracts through to completion.
Previous experience in Local Government work is not essential.
ASSISTANT ARCHITECT. Grade V, A.P.T. (2520-2570).
Candidates must be Associates of the R.I.B.A. and should have sound design ability and be experienced in the preparation of working drawings and estimates. The successful applicant will be engaged on the Education Section of the Department, but previous experience on Schools is not essential.
Both appointments are terminable by one month's notice on either side.

Department, Dut provise is not essential.

Both appointments are terminable by one month's notice on either side.

Canvaseding will disqualify.

Applicants should state clearly the appointment for which they wish to be considered.

C. E. VIVIAN ROWE,

Town Clerk.

1669

ment for which they wish to be considered.

C. E. VIVIEN ROWE,

Guildhall, Northampton.

BOROUGH OF HESTON AND ISLEWORTH.

APPOINTMENT OF CHIEF ARCHITECTURAL

ASSISTANT.

Applications are invited for the appointment of Chief Architectural Assistant, in the Borough Engineer and Surveyor's Department, at a stalary within Grades VII and VIII of A.P.T. Division of the National Scale, viz., 2635-2760, with the addition of 230 per annum London weighting. The commencing salary will be fixed according to the ability and experience of the person appointed. Candidates must have attained a high standard in architectural design and construction, and should have passed the examination qualifying for the Associateship of the Boyal Institute of British Architects, or hold a University Degree or diploma recognized by that body.

They must have had a wide experience in architectural practice, in the control of building contracts of magnitude, and in the administration and supervision of technical staff. Experience in housing and other local government work will be considered as an advatange. The selected candidate will be required to take control of the architectural section of the Department of the Borough Surveyor and be responsible to him for all work undertaken by that section.

The appointment is a permanent one and is subject to the provisions of the Local Government Officers' Superannuation Act, 1937, and will be terminable by one month's notice on either side. The conditions of service will be those of the National Joint Council for Local Authorities' Administrative, Professional and Clerical Services.

The successful candidate must pass a medical examination.

Forms of application may be obtained from the Borough Surveyor, 88, Lampton Road, Honnslow, by sending a stamped addressed onvelope. Applications on the forms provided, together with particulars of training and experience and the names and addressed in the

Conneil House, Hounslow, Middx. Town Clerk.

1629

CORPORATION OF LONDON.

APPOINTMENT OF ARCHITECTURAL

ASSISTANTS.

Applications are invited for the appointment of
TWO ARCHITECTURAL ASSISTANTS, to be
engaged on the preparation of drawings for the
Reconstruction of the Central Criminal Court, Old
Bailey. A good knowledge of high-class architectural design and detailing is required. Salary
from £400 to £625, according to age and experience.

Applicants abould either have qualified, or be about to qualify as Associates of the Royal Institute of British Architects. The appointments are for the present on a temporary basis, but in the event of establishment to the permanent staff, temporary service will count for the purpose of superannuation. Appointments are subject to the provisions of Local Government Superannuation, and applicants will be required to pass a medical examination.

Applications endorsed "Architectural Assis-

examination.

Applications endorsed "Architectural Assistant," to be made to George Holliday, F.R.I.C.S., City Surveyor, 55-61, Moorgate, E.C.2, not later than 12th August, giving details of service with armed forces, age, qualifications and experience, and the names of two persons to whom reference may be made

SALOP COUNTY COUNCIL
COUNTY ABCHITECT'S DEPARTMENT
Applications are invited for the appointment
of a SENIOR ASSISTANT ARCHITECT to act
as a Senior Section Head, on A.P.T. Grad-s VIIVIII (2635 to 2750 per annum). Applicants must
be Registered Architects and Members of the
B.I.B.A.
The appointments

be Registered Architects and Members of the R.I.B.A.

The appointment will be subject to one month's notice in writing on either side; to the terms of the National Joint Council's Scheme of Conditions of Service, and the provisions of the Local Government Superannuation Act, 1937. The successful applicant will be required to pass a medical examination.

Application forms may be obtained from the County Architect. A. G. Chant, F.R.I.B.A., S. Belmost, Shrewsbury, to whom they must be returned, accompanied by copies of not more than three recent testimonials, not later than Tuesday, 16th August, 1949.

G. C. GODBER,

G. C. GODBER, Clerk of the Council.

G. C. GODBER,
Clerk of the Council.
Shrewsbury.
July, 1949.

METROPOLITAN BOROUGH OF WOOLWIGH.
APPOINTMENT OF ARCHITECTURAL
ASSISTANTS.
Applications are invited for the following appointments in the Borough Engineer and Surveyor's Department:—
(a) SENIOR ARCHITECTURAL ASSISTANT.
Grade VIII. Salary £685 per annum, rising to £760 per annum, plus London weighting.
The ARCHITECTURAL ASSISTANT. Grade VI. Salary £595 per annum, rising to £560 per annum, plus London weighting.
The appointments will be subject to the Council's Conditions of Service in force from time to time, to the provisions of the Local Government Superannuation Act, 1937, and will be terminable by one month's notice on either side.
The selected candidates will be required to pass a medical examination.
Candidates for each appointment should have passed the Final Examination of the E.I.B.A., or have an equivalent qualification.
For appointment (a) applicants should have had experience in all types of architecture undertaken by a local authority and have had administrative experience, especially in dealing with contracts.

For appointment (b) housing experience is

initiative experience, especially in dealing with intracts.

For appointment (b) housing experience is mential.

Applicatis should apply to the Borough Engineer, Town Hall, Woolwich, for the form of application appropriate to the appointment for which they desire to apply. Completed forms of application should be returned to the undersigned not later than 13th Angust, 1949.

Candidates must disclose in writing if they are related to any member or senior officer of the Council. Canvassing members of the Council, either directly or indirectly, will disqualify.

DAVID JENKINS,
Town Clerk.

Town Hall, Woolwich, S.E.18. July, 1949.

July, 1949.

BOROUGH OF WIMBLEDON.

BOROUGH ENGINEER'S DEPARTMENT.

Applications are invited for the following appointments to Posts (F), (G) and (H) on the established staff:—

(F) ONE ARCHITECTURAL ASSISTANT. on Grade A.P.T., IV, at a commencing salary of 2460 per annum, rising by three annual increments of £15 to a maximum of £25 per annum. Applicants must have passed Intermediate Examination of R.I.B.A. and must have had experience in Municipal architectural and housing work.

perience in Municipal architectural and housing work.

(G) ONE ARCHITECTURAL ASSISTANT, on Grade A.P.T., III, at a commencing salary of £460 per annum, rising by three annual increments of £15 to a maximum of £485 per annum. Applicants must be up to the standard of the Intermediate Examination of B.I.B.A. and should have had experience in Municipal architectural and housing work.

(H) ONE JUNIOR ARCHITECTURAL ASSISTANT, on Grade A.P.T., I, at a commencing salary of £390 per annum, rising by three annual increments of £15 to a maximum of £435 per annum. Preference will be given to Probationers of the R.I.B.A., and applicants must be good draughtamen, and previous experience in Municipal architectural work would be an advantage. Generally:

London weighting according to age is paid in addition to the above salaries. The appointments are subject to:—

(a) The National Scheme of Conditions of Service.

(b) the provisions of the Local Government

are subject to:—
(a) The National Scheme of Conditions of Service.
(b) the provisions of the Local Government Superannuation Acts, and
(c) Satisfactory medical examination.
Applications, endorsed "F, Architectural Assistant, IV" "G, Architectural Assistant, IV" "G, Architectural Assistant, III."
"H. Junior Architectural Assistant, "stating age, qualifications, experience in detail, all former Local Government Service, present and previous appointments, length of notice required terminate present appointments, and the names and addresses of three persons as references, must be forwarded to the Borough Engineer and Surveyor, Town Hall, Wimbledon, S.W.19, by 23rd August, 1949.

Canvassing will disqualify, and candidates must disclose in writing to the undersigned if to their knowledge they are related to any member or senior officer of the Connecit.

BDWIN M. NEAVE, Town Hall, Wimbledon, S.W.19.

1655

The Scottish Special Housing Association, Ltd., invite applications for the whole-time appointment of CHIEF ARCHITECT. Salary scale £1,200x £50-£1,460. Applicants must be Registered Architects and Fellows or Associates of the Royal Institute of British Architects. Membership of the Town Planning Institute will be considered an advantage. Applicants should possess experience in Municipal housing work and should be familiar with the design of layouts and of all types of dwellings, including multi-storey fast of framed construction. Knowledge of alternative methods of construction is desirable.

No bonus is payable in addition to the salary scale mentioned, and placing within that scale will depend upon qualifications and experience. The successful applicant will be required to coordinate and generally supervise the architectural work of the Association's direct labour organization and also the work of Architects in private practice engaged by the Association for specific housing schemes.

The Association have adopted the provisions of Part I of the Local Governmeit Superannuation (Scotland) Act, 1937, and the successful applicant will be required to pass a medical examination.

Applications, with full particulars of age, qualifications and experience, and giving names of three referees, should be lodged with the Secretary, Scottish Special Housing Association, Lid. 15/21, Palmerston Place, Ediaburgh 12, within 14 days of the appearance of this advertisement. Canvassing will be a disqualification.

BOROUGH OF ACTON.

ARCHITECTURAL ASSISTANT.

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Canvassing will be a disqualification. 1682

BOROUGH OF ACTON.

ARCHITECTURAL ASSISTANT.

Applications are invited for this temporary appointment, at a salary in accordance with A.P.T., Grade V. of the National Scales (£530-£570 p.a.), plus London "weighting."

Candidates must have passed the Intermediate examination of the R.I.B.A. or have a similar qualification.

Application forms may be obtained from the Berough Engineer, Town Hall, Acton, W.3, and must be returned to him endorsed "Architectural Assistant," by the 15th August, 1949.

Canvassing will disqualify.

H. C. LOCKYER, Town Clerk.

Town Hall, Acton, W.3.

SOUTHERN ELECTRICITY BOARD.

NO. 4 (BOURNEMOUTH) SUB-AREA.
APPOINTMENT OF SENIOR ENGINEERING DRAUGHTSMAN.

Applications are invited for the appointment of Senior Engineering Draughtsman, on the staff of the Sub-Area Engineer, Bournemouth.
Candidates should have had training and experience in the design and construction of buildings and civil engineering works of an industrial type generally and, in addition, although not essential, some experience in the construction of lectricity showrooms and offices, experience in taking off quantities, preparing bills of quantities and of checking building and civil engineering contractor's accounts is essential.

The salary will be a provisional one, subject to adjustment by the appropriate negotiating machinery and within a range of 2475-2525 per annum. The conditions of service will be as prescribed by the Board from time to time.

Applications, in envelopes endorsed "Senior Engineering Draughtsman, Sub-Area," in the top left-hand corner, should contain full particulars, including age, education, qualifications, present position and previous experience, and must reach the Sub-Area Administrative Officer at 1, Priory Road, Bournemouth, not later than 19th August, 1949.

F. W. KEMPTON,

F. W. KEMPTON.

NORTHERN IRELAND HOUSING TRUST. APPOINTMENT OF ARCHITECT AND QUANTITY SURVEYOR. Applications are invited for the following

posts:—
(a) ASSISTANT ARCHITECT. Salary scale,

osts:—
(a) ASSISTANT ARCHITECT. Salary scale, 2400×£20—£600.
(b) QUANTITY SURVEYOR. Salary scale, 5500×£25—£760.

The point in the scale of salary at which successful candidates will be placed will be determined by experience and qualifications.

Applicants for (a) must be Fellows or Associates of the Royal Institute of British Architects. Successful candidates will be engaged on the design, layout and preparation of working drawings, and the supervision of working drawings, and the supervision of works, for both Urban and Rural Estates. Experience in the design of Community Buildings and Shops will be an advantage.

Applicants for (b) must be Members of the Royal Institution of Chartered Surveyors and be experienced in the preparation of Estimates, Bills of Quantities, Measuring-up, and the adjustment of Final Accounts in connection with housing schemes.

scnemes.

Preference will be given to ex-Service candidates possessing the required qualifications.

Housing accommodation is available if neces-

sary.

Application abould be made not later than
Monday, 22nd August, 1949, on forms which may
be obtained from:

GENERAL MANAGER, Northern Ireland Housing Trust, 5, Donegall Square South, Belfa

COUNTY BOROUGH OF DERBY.
BOROUGH ARCHITECT'S DEPARTMENT.
Applications are invited for the following
appointments on the permanent staff in accordance with the National Scale of Salaries:

(a) ASSITANT ARCHITECTS, Grade VI.

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ance with the National Scale of Salaries:—
(a) ASSITANT ARCHITECTS, Grade VI.
Salary £995-£660.

Applicants should be Associate R.I.B.A., with a good knowledge of general architectural work.
(b) ONE JUNIOR QUANTITY SURVEYOR, Grade I and II. Salary £390-£465.

Applicants should be experienced in working up bills of quantities and general assistance to Senior Quantity Surveyors.

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

Forms of application may be obtained from Thos. W. East, F.R.I.B.A., Borough Architect, The Council House, Derby, and should be returned when completed, together with a copy of one testimenial and the names of two persons to whom reference may be made, to arrive not later than Monday, 15th August, 1949.

Canvassing, directly or indirectly, will be a disqualification.

E. H. NICHOLS,

E. H. NICHOLS, Town Clerk.

METROPOLITAN BOROUGH OF
LEWISHAM.
APPOINTMENT OF ARCHITECTURAL
ASSISTANT (CLASS II).
Applications are invited for the appointment of
Architectural Assistant (Class II) in the Borough
Architect's Department. Salary scale, A.P.T.
Division, Grades IV and V (£480, rising to £570
per annum, plus London "weighting," varying
between £10 and £30 per annum, according
to age).
The appointment will be subject to the rules
and regulations of the Council from time to time
in force in relation to Officers, to the National
Scheme of Conditions of Service; to the Provisions
of the Local Government Superannuation Act.
1937; to the satisfactory passing of a medical
examination by the Council's Medical Officer of
Health, and to termination by one month's notice
on either side.

Health, and to 'termination by one month's notice on either side.

Candidates for the appointment should have had a sound architectural training, and preference will be given to those applicants with experience in design and construction of housing estates and multi-storey flats.

Forms of application may be obtained from me, and should be returned, accompanied by copies of not more than three testimonials, addressed to me in an envelope endorsed "Architectural Assistant (Class II)," so as 40 be received not later than Saturday, the 20th August, 1949.

Canvassing, either directly, or indirectly, will

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

ALAN MILNER SMITH,
Town Clerk.
Lewisham Town Hall, Catford, S.E.6. 1714

SOUTHERN ELECTRICITY BOARD.

NO. 4 (BOURNEMOUTH) SUB-AREA.

APPOINTMENT OF JUNIOR DRAUGHTSMAN.
Applications are invited for the appointment of
Junior Draughtsman on the staff of the SubArea Engineer. Bournemouth.

Candidates should have had training and experience in a modern Drawing Office, must be
fully qualified draughtsmen and be neat and
accurate workers. Possession of some electrical
knowledge would be deemed an advantage.

The age preferred for applicants is 21 or 22
years.

The age preferred for applicants is 21 or 22 years.

The salary will be a provisional one, subject to adjustment by the appropriate negotiating machinery and within a range of £270-£250 per annum. The conditions of service will be as prescribed by the Board from time to time.

Applications, in envelopes endorsed "Junior Draughtsman, Sub-Area," in the top left-hand corner, should contain full particulars, including age, education, qualifications, present position and previous experience, and must reach The Sub-Area Administrative Officer, at 1, Priory Road, Bournemouth, not later than 19th August 1949.

F. W. KEMPTON,

F. W. KEMPTON, Secretary.

BOROUGH OF BARKING.

DEPARTMENT OF THE BOROUGH

ARCHITECT.

Applications are invited for the appointment of an ARCHITECTURAL ASSISTANT, at a salary on the General Division or A.P.T., I, scale, according to experience:
i.e., General Division, £220 per annum at age 21. rising to £385 per annum at age 22. rising to £385 per annum. The appropriate London weighting will be paid in addition to the above salaries.

Terms and conditions of the appointment and form of application may be obtained from the Borough Architect, Town Hall, Barking, and must be received by the undersigned not later than Monday, 22nd August, 1949.

E. R. FARR.

E. R. FARR, Town Clerk.

Town Hall Barking.

STAFFORDSHIRE COUNTY COUNCIL.
COUNTY ARCHITECT'S DEPARTMENT.
APPOINTMENT OF JUNIOR ARCHITECTURAL ASSISTANTS.
Applications are invited for the above at commencing salaries within the range of £135-£435 per annum, according to experience and qualifications.
The appointments will be subject to the Scheme of Conditions of Service of the National Joint Council and to the provisions of the Local Government Superannuation Act, 1937. They will be terminable by one month's notice on either side, and the successful candidates will be required to submit certificates of medical fitness.
Applications, giving full details of experience and qualifications, age, etc. together with three recent testimonials, should be delivered to the County Architect, Martin Street, Stafford, not later than Saturday, the 13th August, 1949.
Applicants must disclose whether or not they are related to any member or senior officer of the Council.

T. H. EVANS,

the Council.

T. H. EVANS,
Clerk of the County Council.

County Buildings, Stafford.
20th July 1949.

BOROUGH OF NEATH.

BOROUGH OF NEATH.

Appointment of:—

(a) CHIEF ENGINEERING ASSISTANT.
(b) CHIEF HOUSING AND ARCHITECTURAL ASSISTANT.

Applications are invited for the above appointments, with salary in accordance with Grade V of the A.P.T. Division of the National Scheme of Conditions of Service.

Successful applicants will be considered for housing accommodation, if required.

The appointments are on the permanent establishment, are subject to one month's notice on either side and the Local Government Officers' Superannuation Act, 1937, and the successful applicants will be required to pass medical examinations.

aminations.

Applications, stating age, qualifications and experience, and accompanied by not more than three testimonials, should be posted so as to reach me by not later than 31st August, 1949.

ALFRED E. I. CURTIS,

Town Clerk.

Town Clerk's Office, Neath.

July, 1949.

COUNTY BOROUGH OF DONCASTER EDUCATION COMMITTEE.

EDUCATION COMMITTEE.

REDUCATION COMMITTEE.

REDUCATION ACHITECT'S DEPARTMENT.

Applications are invited for the appointment of CLERK OF WORKS in the above Department.

The appointment is on a fixed wage of £10 per week and is in connection with the construction of School Kitchens and Dining Halls.

The duration of the contracts is expected to be two years, after which the Clerk of Works may be retained in connection with further educational projects.

Applicants must have a thorough knowledge of all sections of the building trade, and must state their age, qualifications, present appointment, and previous experience.

The above appointment is subject to the provisions of the Local Government Superannuation Act, 1937, and the successful applicant will be required to pass a medical examination.

Applications, endorsed "Clerk of Works," and accompanied by copies of not more than three recent testimontias, must be delivered to the undersigned not later than noon Saturday, 27th August, 1949.

V. H. HOSKIN.

Chief Education Officer.

recent testimonials, must be delivered to the undersigned not later than noon Saturday, 27th August, 1949.

V. H. HOSKIN.

Chief Education Officer.

Education Office, Whitaker Street, Doncaster, 1733

LONDON COUNTY COUNCIL.

Hammersmith School of Building and Arts and Crafts, Lime Grove, W.12, required to commence as soon as possible in the Senlor Building School:—

(a) A SENIOR ASSISTANT LECTURER, to be responsible to the Head of the Department for the Building and Quantity Surveying section, preparing of students for the R.I.C.S. examinations. Applicants should be Corporate Members of the R.I.C.S., with practical experience—some teaching experience desirable.

The salary is that of the Burnham Technical Scale for Senior Assistants, which ranges in London for a man from a minimum of 2735-2838, rising by 25 a year to a maximum of 2848-2953, according to age, qualifications and experience.

(b) A LECTURER IN BUILDING CONSTRUCTION and allied subjects. Applicants should hold A.R.I.B.A. or similar qualifications, and have practical experience; some teaching experience desirable.

(c) TWO STUDIO MASTERS in the Architectural Section, preparing students for the Inter. and Final examinations of the R.I.B.A. Applicants should hold A.R.I.B.A. and have preferably been trained at a "recognized" school of Architectural.

The salary for posts (b) and (c) is that of the R.B.B.A. The subjective of the R.B.B.A. or similar quality is that of the R.B.B.A. The R.B. P.B. P. B. P

been trained at a "recognized" school of Architecture.

The salary for posts (b) and (c) is that of the Burnham Technical Scale for assistants, which ranges in London for a man from a minimum of £336-£693 to a maximum of £605-£708, according to age, qualifications and experience.

In all the appointments reasonable facilities will be afforded for private practice, provided it does not interfere with normal duties.

Application forms (stamped addressed envelope necessary) from the Secretary at the school, returnable by 1st October, 1949.

Please state post for which application is made. (339)

COUNTY BOROUGH OF DERBY.
BOROUGH ARCHITECT'S DEPARTMENT.
APPOINTMENT OF TWO TEMPORARY
CLERKS OF WORKS.
Applications are invited for the appointment of two temporary Clerks of Works, at an inclusive salary of £9 per week.
Applicants should be fully experienced in Municipal works and have a sound knowledge of all building trades.
The appointment will be subject to one month's notice in writing on either side, and the successful candidate will be required to pass a medical examination.

successful candidate will be required to pass a medical examination.

Forms of application may be obtained from Thos. W. East, F.R.I.B.A., Borough Architect, The Council House, Corporation Street, Derby, and should be returned when completed, together with copy of one testimonial and the names of two persons to whom reference may be made, to arrive not later than 22nd August, 1949.

Canvassing, directly or indirectly, will be a disqualification.

E. H. NICHOLS,

E. H. NICHOLS, Town Clerk

ST. AUSTELL URBAN DISTRICT COUNCIL.
APPOINTMENT OF TECHNICAL ASSISTANT.
Applications are invited for the appointment of a Technical Assistant, in the department of the Engineer and Surveyor, at a salary in accordance with Grade III of the A.P. and T. Division of the National Scale of Salaries. A travelling allowance on the National Scale will also be payable.

allowance on the National State of the payable.

Applications, accompanied by the names of two persons to whom reference can be made, must be received by the undersigned not later than the first post on Friday morning, the 26th August, 1949.

The successful candidate will be required mainly for work in connection with the Council's housing programme, and preference will be given to applicants holding a recognized qualification in Engineering, Architecture or Quantity Surveying.

L. R. SAUNDERS.

L. E. SAUNDERS.
Municipal Offices, St. Austell, Cornwall.

27th July, 1949.

COUNTY OF CAERNARVON.

ARCHITECT'S DEPARTMENT.

APPOINTMENT OF ASSISTANT ARCHITECT.
Applications are invited for the appointment of Assistant Architect, at a salary in accordance with A.P.T., Grade IV, of the National Salary Scales (£480 to £252 per annum).

Candidates must be Registered Architects, and should have had previous experience in the design and erection of schools. Preference will be given to Members of the Royal Institute of British Architects.

The appointment will be subject to the provisions of the National Joint Council Scheme of Conditions of Service, and the Local Government Superannuation Act, 1937, and the successful applicant will be required to pass a medical examination.

Knowledge of Welsh is desirable.
Applications, in plain sealed envelopes endorsed "Assistant Architect," should be forwarded to the undersigned (from whom forms of application may be obtained) not later than 19th August, 1949.

GWILYMT, JONES.

GWILYM T. JONES.

Clerk of the County Council.

27th July, 1949.

1730

County Offices, Caernarvon.

27th July, 1949.

GOVERNMENT OF NORTHERN IRELAND.
MINISTRY OF HEALTH AND LOCAL
GOVERNMENT.

TECHNICAL STAFF-PUBLIC HEALTH AND LOCAL
Applications are invited for unestablished posts of ASSISTANT ARCHITECT (Grade B) and PLANNING.
ASSISTANT ARCHITECT (Grade B) and PLANNING ASSISTANT in the Ministry of Health and Local Government. The appointments will so far as can be foreseen last for several years.

Remuneration: Successful candidates will be remunerated within the salary range 2500-2750 per annum, and the commencing salary within this range will be fixed in each case, according to qualifications and experience. Vacancies exist for Planning and Public Health work.
Qualifications: Candidates for the Public Health vacancies must be Registered Architects by examination, and should preferably have experience in up-to-date hospital design and layout and same aptitude for research into comparative standards of design and construction. In the case of a Planning appointment candidates must be either Registered Architects by examination. Corporate Members of the Institution of Civil Engineers or Associates of the Royal Institution of Chartered Surveyors. In addition they must possess a recognized qualification in town planning or have good experience in town planning of have good experience, and stating the post applied for, together with copies of two recent testimonlais, should be sont, without delays, to the Director of Establishmenta. Ministry of Finance, Stormont, Belfast. 1728

BOROUGH OF WORTHING.

APPOINTMENT OF SENIOR ARCHITECTURAL ASSISTANT.

Applications are invited for the appointment of a Senior Architectural Assistant, on the permanent establishment of the Borough Engineer and Surveyor's Department, at a salary in accordance with A.P.T., VI, commencing salary £595, rising by three annual increments to £660 per annum.

£598, rising by three annual increases.

Eandidates should be Associates of the Royal Institute of British Architects, and should have a sound experience in the preparation of drawings and specifications for all types of building work carried out by a Local Authority.

The appointment will be subject to the National Scheme of Conditions of Service of Local Government Officers, to the Local Government Superannuation Act, 1937, and to the successful candidate passing satisfactorily a medical examination.

The Council will assist the successful applicant

candidate passing satisfactorily a medical examination.

The Council will assist the successful applicant to obtain bousing accommodation, if necessary. Applications, endorsed "Senior Architectural. Assistant," Grade VI, stating age, qualifications, present and previous appointments and experience, with dates, and accompanied by copies of three recent testimonials, should be addressed to the Bordugh Engineer and Surveyor. Tewn Hall, Worthing, and should be received by him not later than 12 noon on Friday, 19th August, 1949.

ERNEST G. TOWNSEND.

ERNEST G. TOWNSEND, Town Clerk.

ERNEST G. TOWNSEND.

Town Hall, Worthing.
21st July, 1949.

CITY OF BIRMINGHAM EDUCATION

COLLEGE OF ART AND CRAFTS.

BIRMINGHAM SCHOOL OF ARCHITECTURE.

Principal: Merroir W. Hawes, A.R.C.A., N.R.D.

Director of School of Architecture: A. Douglas

Jones, Dip. Arch. (Liverpol), F.R.I.B.A.

Applications are invited for the post of Fulltime SENIOR ASSISTANT LECTURER in Architecture. Commencing salary will be in accordance with the Burnham Technical Scale (1948) for Senior Assistants (£700×£25-£300 per annum), with additions (normally up to £75 per annum) for appropriate graduate or professional qualifications and training. A contemporary outlook and an enthusiasm for teaching are of first importance. The successful applicant will be required to take up duty on the 19th September, 1949, or as soon thereafter as possible.

Forms of application may be obtained from the Principal, College of Arts and Crafts, Margaret Street, Birmingham, 3, on receipt of a stamped addressed Goolscap envelope, and must be returned not later than ten days after the appearance of this advertisement.

E. L. RUSSELL,

Chief Education Officer.

1653

BOROUGH OF WATFORD.

BOROUGH OF WATFORD. BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT. APPOINTMENT OF ASSISTANT ARCHITECTS.

APPOINTMENT OF ASSISTANT ARCHITECTS.

Applications are invited for the undermand Surveyor's Department:—

(a) ASSISTANT ARCHITECT. Grade A.P.T., III. 2456-2495.

(b) ASSISTANT ARCHITECT. Grade A.P.T., IV. 2460-2525.

Applicants should have had good experience in architectural design and construction, and preference will be given to those holding an appropriate professional qualification.

Housing accommodation will be made available to the successful applicants if required.

The appointment will be subject to the provisions of the Local Government Superannuation Act, 1937, and the successful candidate will be required to pass a medical examination.

Applications must be made on the prescribed form, which can be obtained from the undersigned, Town Hall, Watford, and must be returned to him not later than Monday, 22nd August, 1949, endorsed "Assistant Architect."

F. C. SAGE, A.M.Inst.C.E., M.I.Mun.E.

F. C. SAGE, A.M.Inst.C.E., M.I.Mun.E., Registered Architect and Borough Engineer Town Hall, Watford.

July, 1949.

July, 1949.

COUNTY COUNCIL OF THE WEST RIDING
OF YORKSHIRE.
COUNTY ARCHITECT'S DEPARTMENT.
Applications are invited for the following
appointments on the permanent establishment:—
CHIEF ARCHITECTS AND CHIEF QUANTITY SURVEYORS. 2760-2910 and £685-£760.
SENIOR ARCHITECTS AND SENIOR
QUANTITY SURVEYORS. £635-£710 and £595£660.

ASSISTANT ARCHITECTS AND ASSISTANT QUANTITY SURVEYORS. £550-£610, £520-£570,

ASSISTANT ARVEYORS. £550-£610, £520-£510, £480-£525, £450-£495.

JUNIOR ARCHITECTS AND JUNIOR QUAN-TITY SURVEYORS. £420-£465, £390-£435.

The appointments will be subject to the pro-visions of the Local Government Superannuation Act, 1937, as amended by the West Riding County Council (General Powers) Act, 1948, and to a medical examination.

Applications, on forms obtainable at this office, must be submitted by 1st September. 1949.

HUBERT BENNETT, F.R.I.B A., County Architect.

COUNTY COUNCIL OF THE COUNTY OF STIRLING.

APPOINTMENT OF ARCHITECTURAL ASSISTANT.

Applications are invited for the appointment of an Architectural Assistant (Education) in the County Architect's Department.

The scale of salary will be J.I.C. Scale—Grade V(a)—£550-£610 per annum, which includes costol-living bonus.

Candidates should preferably be Associate Members of the Royal Institute of British Architects and have had good experience in general architectural work, with particular reference to School Planning and Design and in the Preparation of Working Drawings and Specifications.

The appointment will be subject to the provisions of the Local Government Superannation Applications, together with copies of three recent testimonials, should be forwarded (marked "Architectural Assistant"), to the County Clerk, Viewforth, Stirling, within 14 days of the last appearance of this advertisement.

(Sgd.) JAMES D. KENNEDY, County Clerk, County Offices, Viewforth, Stirling.

County Clerk.

County Offices, Viewforth, Stirling. County Clerk.

BOROUGH OF COLCHESTER.

TEMPORARY ASSISTANT QUANTITY
SURVEYOR.

Applications are invited for the appointment of a temporary Assistant Quantity Surveyor, in the Borough Engineer's Department, at a salary in accordance with A.P.T., Grade I (£390-£435 per appum).

accordance with A.F.I., Grade I (1932-195) pranhum).
Candidates ahould be capable of working up and assisting in the taking off of quantities. A knowledge of current prices and some experience in the preparation of interim certificates and final accounts would be an added advantage. The appointment is subject to one month's notice on either side.

Applications, stating age, qualifications and experience, accompanied by copies of not more than two recent testimonials, must be delivered to the Borough Engineer, 64, West Stockwell Street, Colchester, not later than 13th August, 1949, endorsed "Temporary Assistant Quantity Surveyor."

veyor."
Canvaseing will disqualify and applicants must state whether they are related to any member or senior officer of the Council.

N. CATCHPOLE, Town Clerk.

Town Hall, Colchester. 22nd July, 1949.

AXBRIDGE RURAL DISTRICT COUNCIL.
APPOINTMENT OF ENGINEERING
ASSISTANT.
Applications are invited for the appointment of an Engineering Assistant, at a salary of £420 per annum, rising by three annual increments of £15 to £465 per annum (A.P.T. Division, Grade II). An allowance for a car not exceeding 10 h.p. will also be paid, in accordance with N.J.C. Recommendations.
Preference will be given to candidates who hold some recognized professional qualification, and who have had some experience of sewerage, water schemes and housing. Applicants must have had good training in draughtsmanship.
Applications, stating age, qualifications and experience, accompanied by copies of three recent testimonials, must reach the undersigned not later than the first post on Tuesday, the 9th August, 1949.

FRANK K. C. ADAMS.

Council Offices, Axbridge, Somerset.

26th July, 1949.

20th July, 1949.

CORPORATION OF LONDON.

APPOINTMENT OF ARCHITECTURAL

ASSISTANTS.

Applications are invited for the following appointments in the Architecture and Housing Section of the City Engineer's Office:

(a) SENIOR ARCHITECTURAL ASSISTANT (Auxiliary Staff), Grade III. Salary scale £600 to £750, by annual increments of £25.

(b) FIRST-CLASS ASSISTANT (Permanent Staff). Salary scale £550 to £700, by annual increments of £25.

(c) FIRST-CLASS ASSISTANT (Permanent Staff). Salary scale £400 to £625, by annual increments of £25.

Staff). Salary scale £550 to £700, by annual increments of £25.

(c) FIRST-CLASS ASSISTANT (Permanent Staff). Salary scale £400 to £625, by annual increments of £25.

Commencing salary within the scales will be related to qualifications and experience.

For appointments (a) and (b) applicants should have had good experience and be competent to undertake the preparation of working drawings-and details of multi-storey flats. Preference will be given to Associates of the Royal Institute of British Architects.

For appointment (c) applications will be considered from Graduate Architects or equivalent. The appointments will be subject to the standing Orders of the Corporation, and the selected candidates will be required to pass a medical examination and contribute to the Corporation's Superannuation Scheme.

Forms of application and conditions of service can be obtained from the City Engineer, Corporation of London, 55/61, Moorgate, E.C.2.

Last date for receipt of completed forms of application the 22nd August, 1949.

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HEMBL HEMPSTEAD DEVELOPMENT CORPORATION.

ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointment:—

ASSISTANT ARCHITECT. Calary in the scale 2400×252—525, according to age and experience. Applicants must have passed the Intermediate examination of the R.I.B.A.

In addition applicants should have a sound knowledge of the planning and design of buildings, the writing of specifications, and a working knowledge of quantities.

The appointment will be subject to the Development Corporation's staff rules and conditions of service, in particular to one month's notice of termination on either side.

Contributory superannuation, with an opportunity of entering or continuing in a Local Government Superannuation Fund, will be provided.

The officer appointed will be expected to find

Government Superannuation Fund, will be provided.

The officer appointed will be expected to find his own accommodation in or near Hemsel Hemsels, and the provided and the prov

Westbrook Hay, Hemel Hempstead, Herts. 1726

ABERDEEN COUNTY COUNCIL.
COUNTY ARCHITECT'S DEPARTMENT.
Applications are invited for the undermentioned appointments:—
(a) SENIOR ASSISTANT QUANTITY SURVEYOR. Salary scale £685, rising by annual increments to £760 per annum.
(b) ASSISTANT QUANTITY SURVEYOR. Salary scale £480, by annual increments to £610 per annum.

(b) ASSISTANT QUANTUL Shalary scale £480, by annual increments to £610 per annum.

Placings within the scales for both appointments may be granted according to the successful candidates for appointment (a) should have passed the Final examination of the Royal Institute of Chartered Surveyors, and for appointment (b) should have passed the Intermediate examination of the Royal Institute of Chartered Surveyors. Candidates for both appointments must have a wide experience in the preparation of Schedules of Quantities according to the Scottish Mode of Measurement, site measuring, and in the settlement of jobbing and final accounts for all trades.

The appointments are subject to the Local Government Superannuation (Scotland) Act. 1937, and the successful candidates will require to pass a medical examination.

Conditions of appointment and Forms of Application for both appointments are obtainable from the undersigned and should be returned completed not later than 30th August. 1949.

Canvassing of members of the Council directly or indirectly, in connection with the appointments shall disquality the candidates.

CHAS. HORNAL.

County Buildings, 25. Union Terrace,

County Buildings, 25, Union Terrace, Aberdeen. 25th July, 1949.

25th July, 1949.

ABERDEEN COUNTY COUNCIL.

COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the undermentioned appointments:—

(a) SENIOR ASSISTANT ARCHITECT.

Salary scale £685, rising by annual increments to £760 per annum.

£760 per annum.

(b) ASSISTANT ARCHITECT. Salary a
£480, rising by annual increments to £610

(b) ANNISTANT Annual increments to £610 per annum.
Placings within the scales for both appointments may be granted according to the successful candidates' qualifications and experience.
Candidates for both appointments must be registered Architects, and should be Associates of the Royal Institute of British Architects.
The appointments are subject to the Local Government Superannuation (Scotland) Act, 1937, and the successful candidates will require to pass a medical examination.
Conditions of appointment and Forms of Application for both appointments are obtainable from the undersigned and should be returned completed not later than 30th August, 1949.
Canvassing of members of the Council directly or indirectly, in connection with the appointments shall disonalify the candidates.
CHAS. HORNAL.
County Buildings, 25, Union Terrace,

County Buildings, 25, Union Terrace, Aberdeen. 25th July, 1949.

Aberusen.

25th July, 1949.

FIFE COUNTY COUNCIL.

COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the post of ARCHITECTURAL DRAUGHTSMAN. Applicants must have had experience in an Architectural drawing office and be quick and accurate Draughtsmen. Consolidated salary £350, rising to £450 per annum. Medical test under Superannuation Scheme. Applications, stating age, experience, and qualifications, to be lodged with the undersigned by 12th August. 1949. No canvassing.

J. M. MITCHELL,

County Clerk.

County Clerk. County Buildings, Cupar-Fife. 21st July, 1949.

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CITY OF MANCHESTER.
CITY ARCHITECT'S DEPARTMENT.
Applications are invited for the following appointments:

PERMANENT STAFF.

ARCHITECTS:
(a) SENIOR ASSISTANT ARCHITECT, I. Salary A.P.T., Grade VII. £65-£710.
(b) SENIOR ASSISTANT ARCHITECT, II. Salary A.P.T., Grade VI, £59-£660.
Candidates must have high ability in design and be capable of taking charge of large contracts and controlling a group of assistant architects.
(c) ASSISTANT ARCHITECT, I. Salary A.P.T., Grade V, £520-£570.
Preference for all architectural appointments will be given to candidates who hold a Degree or Diploma in Architecture and/or are Associates B.I.B.A.

ENGINEERS:

will be given to candidates who hold a Degree or Diploma in Architecture and/or are Associates B.I.B.A.

ENGINEERS:

(d) ASSISTANT HEATING, VENTILATING AND MECHANICAL ENGINEER, II. Salary A.P.T., Grade IV, 2480-2525.

Candidates must be experienced in the design and detailing of all types of heating and hotwater installations.

(e) STRUCTURAL ENGINEERING ASSISTANT. Salary A.P.T., Grade IV, 2490-2525.

(f) STRUCTURAL ENGINEERING ASSISTANT. Salary A.P.T., Grade III, 2450-2495.

Candidates must be experienced in the design as structural steelwork and reinforced concrete. QUANTITY SURVEYORS:

(p) SENIOR ASSISTANT QUANTITY SURVEYOR, II. Salary A.P.T., Grade VI, 2595-2660.

(h) ASSISTANT QUANTITY SURVEYOR, II. Salary A.P.T., Grade VI, 2595-2660.

(h) ASSISTANT QUANTITY SURVEYOR, II. Salary A.P.T., Grade VI, 2595-2660.

(a) INDICAL ASSISTANT QUANTITY SURVEYOR, II. Salary A.P.T., Grade VI, 2595-2660.

(b) ASSISTANT QUANTITY SURVEYOR, II. Salary A.P.T., Grade VI, 2590-2570.

Candidates must be fully qualified, with wide experience, preferably Associates R.I.C.S.

(p) CLERK OF WORKS. Salary A.P.T., Grade III. 2450-2495.

Candidates must have had practical knowledge of all branches of the building trade, and be experienced in the supervision of the erection and maintenance of all classes of buildings and be capable of setting-out, measuring up, keeping records and making reports.

The successful candidates for the permanent positions will be required to pass a medical examination before the appointments are confirmed, to contribute to the Corporation's Deed of Service.

Applications on the official form, which can be obtained from the City Architect's Depart-

Fund, and to execute the Corporation's Deed of Service.

Applications on the official form, which can be obtained from the City Architect's Department, must be returned, together with not more than three recent testimonials, to Leonard C. Howitt, B.Arch. Dip.T.P., D.P.A., F.R.I.B.A., M.T.P.I., City Architect, Town Hall, Manchester, by Saturday, 20th August, 1949, endorsed for the appropriate appointment.

All these appointments are subject to the Standing Orders of the Council and the National Joint Council's Scheme of Service Conditions. Canvassing in any form is probibited, and relationship to any member of the Council or Senior Officer must be disclosed in writing.

PHILIP B. DINGLE,
Town Hall, Manchester.

Town Hall, Manchester. August, 1949.

Town Clerk.

Town Hall, Manchester.

August, 1949.

CITY OF COVENTRY.

CITY ARCHITECTURAL DEPARTMENT.

APPOINTMENT OF DEPUTY CITY

ARCHITECT.

Applications are invited from suitably qualified persons for the appointment of Deputy City Architect, at a commencing salary of £1,005 per annum, rising by annual increments of £85, £100 and £10 to a maximum of £1,200 per annum. Applicants must have had extensive experience of the work undertaken in a City Architectural Department, and previous local government experience will be an advantage.

At present the City Architect is one of wo Joint Planning Officers for the City. In October, 1949, he will be the sole Planning Officer, and it is thought that a Deputy Planning Officer, and it is thought

CHARLES BARRATT. Town C.erk.

Council House, Coventry. 29th July, 1949.

ANGLESEY COUNTY COUNCIL.
COUNTY ARCHITECT'S DEPARTMENT
Applications are invited for the following permanent appointments in the County Architect's
Department:—
(a) ONE ASSISTANT ARCHITECT. Salary,
Grade V, commencing at £520 per annum and
rising to £570 per annum. Preference will be
given to Associate Members of the R.I.B.A., with
good general experience in design and construction.

given to Associate Members of the R.I.B.A., with good general experience in design and construction.

(b) TWO ASSISTANT ARCHITECTS. Salary, Grade IV, commencing at £480 per annum and rising to £525 per annum. Applicants should have had good experience in the preparation of working drawings, and preference will be given to applicants who have passed the Intermediate examination of R.I.B.A.

(c) ONE ARCHITECTURAL ASSISTANT. Salary, Grade III, commencing at £450 per annum and rising to £495 per annum. Applicants should have had good architectural training and be good draughtsmen.

The appointments will be subject to the provisions of the Local Government Superannuation Act, 1937, and will be subject to one month's notice on either side. Candidates called for interview will be required to undergo a medical examination by the County Medical Officer. Applications, stating age, training, experience, qualification, past and present appointments, names of two referees, and accompanied by a copy of one recent testimonial, are to be sont so as to reach the undersigned not later than Wednesday, the 31st August, 1949.

WILLIAM JONES,

WILLIAM JONES, Clerk of the County Council. Shire Hall, Llangefni. 27th July, 1949. 1727

BOROUGH OF DAGENHAM.
APPOINTMENT OF ARCHITECTURAL
ASSISTANTS.
The Council invite applications for the follow-

The Council invite applications for the following appointments:

(a) SENIOR ARCHITECTURAL ASSISTANT.
A.P.T., Grade V. Salary £520-£570, plus London weighting.
(b) TWO ARCHITECTURAL ASSISTANTS.
A.P.T., Grade IV. Salary £480-£525, plus London weighting.
Applicants must be registered Architects, and preference will be given to those holding the A.R.I.B.A. or similar qualifications. Forms of application from the Borough Engineer and Surveyor. Closing date 22nd August, 1949.

1949.
Canvassing disqualifies.
Housing accommodation may be made available to the successful applicants.

KEITH LAUDER, Town Clerk.

Civic Centre, Dagenham.

COUNTY BOROUGH OF DERBY.
PLANNING STAFF APPOINTMENTS
(THREE).

Applications are invited for the under-mentioned
permanent appointments in the Planning Department of the Borough Engineer and Surveyor:
(a) SENIOR PLANNING ASSISTANT. A.P.T.,
Grade VIII, £685-£760. Candidates should possess
a degree or diploma in Architecture or A.R.I.B.A.,
and be Associate Members of the Town Planning
Institute.
(b) SENIOR PLANNING ASSISTANT

a degree or diploma in Architecture or A.R.I.B.A., and be Associate Members of the Town Planning Institute.

(b) SENIOR PLANNING ASSISTANT. A.P.T., Grade VIII, £685-£760. Candidates should possess a degree or diploma in Architecture. Civil Engineering, or be A.R.I.B.A., A.M.Mun.E., A.M.I.C.E., and Associate Members of the Town Planning Institute.

(c) SENIOR PLANNING ASSISTANT. A.P.T., Grade VIII, £685-£760. Candidates should possess a degree or diploma in Economics or Estate Management or he A.R.I.C.S., and Associate Members of the Town Planning Institute.

Preference will be given to candidates who have had experience in the detailed planning of new development and re-development in Urban areas, who possess initiative and are capable of taking responsibility for sections of the work of the department.

Conditions of Service are those formulated by the National Joint Council, and the appointments are subject to the provisions of the Local Government Superannuation Act, 1937, and the successful candidates will be required to pass a medical examination.

The appointments will be terminable by one month's notice on either side.

Applications, appropriately endorsed, together with copies of two recent testimonials, or two names of persons from whom references may be obtained, should be sent to M. L. Francis, F.R.I.C.S., M.I.Mun.E., M.Inst.R.A., Berough Engineer and Surveyor, The Council House, Ocanvassing, directly or indirectly, will be a disqualification, and candidates are required to state whether they are related to any member or senior official of the Council.

E. H. NICHOLS, Town Clerk.

The Council House, Derby. July, 1949.

BOROUGH OF FINCHLEY.
HOUSING AND TOWN PLANNING
DEPARTMENT.
Applications are invited for the appointment
of a TEMPORARY ARCHITECTURAL ASSISTANT, in the above Department, at a salary in
accordance with Grade IV, A.P. and T. Division
(£480×£15 to £525, plus £30 per annum London
weighting).

(£480×£15 to £525, plus £30 per annum London weighting).
Candidates must be suitably qualified and have had practical experience in housing and general architectural work.
The appointment is subject to the provisions of the National Scheme of Conditions of Service.
Applications, giving full particulars of qualifications and experience, and accompanied by copies of two testimonials (of which one at least should be recent), should be sent to the Borough Housing and Town Planning Officer, The Avenue, Finchley, N.3, by not later than first post on 19th August, 1949.

R. M. FRANKLIN,

R. M. FRANKLIN, Town Clerk. Municipal Offices, Finchley, N.3.

Municipal Offices, Finchley, N.3.

NORTHERN POLTTECHNIC, HOLLOWAY, LONDON, N.7.
The Governing Body invite immediate applications for appointment to the FULL-TIME STAFF OF THE SCHOOL OF ARCHITECTURE. Applicants are expected to have passed the Final Examination of the Royal Institute of British Architects and preferably to have been trained in a recognized school. Members of the staff are permitted to engage in private practice and teaching duties are arranged accordingly.

Forms of application, together with full particulars, will be forwarded on receipt of a stamped, addressed foolscap envelope.

Applications are also invited for appointment to the Part-time Staff of the Day and Evening Schools of Architecture. The qualifications are similar to those required in respect of full-time appointments. Application should be made in writing to the undersigned.

B. H. CURRELL,

ed. R. H. CURRELL, Clerk.

CITY OF PLYMOUTH.

CITY ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointments on the established staff, which are subject to the Local Government Superannuation, and a month's notice on either side for termination:

tion Act, 1937, a satisfactory medical examination, and a month's notice on either side for termination:

(a) CHIEF QUANTITY SURVEYOR. A.P.T., Grade IX (2750 to £900).

(b) SENIOR ASSISTANT QUANTITY SURVEYOR. A.P.T., Grade IV (£950 to £660).

(c) ASSISTANT QUANTITY SURVEYOR. A.P.T., Grade IV (£950 to £450).

(d) ASSISTANT ARCHITECT. A.P.T., Grade V (£500 to £570).

Applicants for (a) and (b) should be Members of the Royal Institution of Chartered Surveyors (Quantities Section), and for (d) must be Eagistered Architects and Members of the R.I.B.A. Applicants for (c) must be capable of squaring and abstracting dimensions, and will be expected to give general assistance in the preparation of Bills of Quantities and settlement of accounts. Candidates must not be over 40 years of age, but this condition may be relaxed in the case of a person up to 45 years of age employed by another Local Authority.

Applications, on forms obtainable from the undersigned, accompanied by copies of not more than three recent testimonials and/or names of persons to whom reference may be made, should be received at my office not later than Monday, 22nd August, 1949.

HOUSING ACCOMMODATION MAY BE MADE AVAILABLE TO THE SUCCESSFUL MARRIED APPLICANTS IF THEY REQUIRE IT.

E. G. CATCHPOLE, A.R.I.B.A.

City Architect.

B. G. CATCHPOLE, A.R.I.B.A., City Architect.

Seymour Road, Plymouth.

EASTBOURNE HOSPITAL MANAGEMENT
COMMITTEE.
Applications are invited for the post of HOSPITAL MAINTENANCE ENGINEER, salary £565 × £20 to £660 per annum. The person appointed will be responsible for the satisfactory operation and maintenance of the engineering services in the Committee's Hospitals and the maintenance of the fabric of the buildings. He should have a sound knowledge of the efficient operation of institutional boiler plants, engineering and electrical services, and be competent to advise on and supervise building maintenance. The applicant should possess a qualification at least up to the Higher National Diploma or Certificate in Mechanical Engineering. Hospital experience will be an additional qualification. The appointment is subject to three months notice on either side, and will also be subject to the provisions of the National Health Service (Superannuation) Regulations and to a satisfactory medical examination.

Applications, stating age, whether married or single, present salary and position, experience and qualifications, accompanied by copies of two recent testimonials, must be sent within one week of the publication of this advertisement to: THE SECRETARY,
Eastbourne Hospital Management Committee, 29, Bedfordwell Road, Eastbourne, Sussex.

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NATIONAL COAL BOARD (SCOTTISH DIVISION).

The following vacancies exist at Headquarters in Edinburgh, and suitable applicants should forward their applications, giving details of age, qualifications, experience, present post and salary, to reach the Establishments Officer, I. Eglinton Crescent, Edinburgh, within 14 days. Applications should show clearly the appointment and grade of the post applied for. The point of entry into the relevant salary scales will depend on the qualifications and experience of the successful applicants. The successful applicants will be required to pass a medical examination.

SENIOR ARCHITECT.

Candidates must be Associate Members of the B.L.B.A. or equivalent, and should be capable of supervising contracts in connection with a substantial building programme. The salary scale is 2860 × 235 to £1,150.

ARCHITECT, Grade I. Salary scale £700 × £25 to £875. Required qualification—A.R.I.B.A.

THREE ARCHITECTURAL ASSISTANTS, Grade

£450×£25 to £700. Required qualification— A.R.I.B.A. TWO ARCHITECTURAL ASSISTANTS, Grade I. Salary scale £410×£20 to £550. Required qualification—should have passed or be working for Inter. R.I.B.A. examination, and have some

for incr. B.1.5.A. Canadasas, office experience.

ARCHITECTURAL ASSISTANT, Grade II. Salary scale £300×£20 to £400. Required qualification—should have passed or be working for Inter. B.I.B.A. examination and have some office

experience.
Candidates should have experience in the preparation of surveys, sketch plans, contract drawings, specifications, site supervision, etc.
CLERK OF WORKS.
Starting salary £400 per annum upwards, according to qualifications and experience.
WORKS CLERICAL OFFICEP.
Candidates should have general clerical experience, with knowledge of building contracts.
Salary scale £306 6s. £15 12s. to £409 10s. 1713
CORPORATION OF KIRKCALDY.

CORPORATION OF KIRKCALDY.

Applications are invited for the following permanent posts in the Burgh Engineer's Depart-

(a) SENIOR ARCHITECTURAL ASSISTANT.

ment:

(a) SENIOR ARCHITECTURAL ASSISTANT.

Grade IV (£480-£525).

(b) SENIOR TOWN PLANNING ASSISTANT.

Grade IV (£480-£525).

Candidates for (a) should have good general experience and preferably be an Associate of the Royal Institute of British Architects. Candidates for (b) are required to assist in the preparation of the Survey and Development Plan and should preferably have passed the Final examination of the Town Planning Institute.

Housing accommodation may be made available. Applications, giving full particulars of age, qualifications and experience, should be lodged with Robert Meldrum, Burgh Engineer and Surveyor, Geborne House, East Fergus Place, Kirkcaldy, not later than 13th August, 1949.

CHARLES D. CHAPMAN,

Town Cierk.

BOROUGH OF TWICKENHAM.
SENIOR PLANNING ASSISTANT.
Applications are invited for the above appointment, on Grades A.P.T., 5A/6/7 (£585-£740).
Applicants must possess a recognized qualification in Town Planning and be fully conversant with the Town and Country Planning Acts and Orders, and should have had extensive experience in Town Planning—preferably with a Local Authority.

Authority.

Application, endorsed "Senior Planning 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.Sc., M.I.C.E., York House, Twickenham, Middlesex, not later than 15th August, 1949.

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

cither side.

Canvassing will disqualify, and an applicant who is related to a member of or a Senior Officer of the Council should disclose the fact in his application.

Housing accommodation will be made available for the successful applicant, if required.

Twickenham

Twickenham

Municipal Offices, Twickenham. 21st July, 1949.

Tenders for Contracts

Tenders for Contracts
6 lines or under, 10s.; each additional line, Is. 6d.
PEMBROKESHIRE COUNTY COUNCIL.
GENERAL PURPOSES AND PUBLIC WORKS
COMMITTEE.
Contractors are invited to tender for the erection of a proposed NEW OFFICE BLOCK,
COUNTY OFFICES, HAVEBFORDWEST.
General Conditions of Contract and Bills of Quantities, etc., will be supplied on request to Walter Barrett, M.B.E., A.R.I.B.A., County Architect, County Offices, Haverfordwest, on payment of a deposit of £5 5s.; made payable to the "Pembrokeshire County Council," which will be returned on receipt of a bona-fide tender, not subsequently withdrawn, and the return of all documents.

The County Council does not bind itself to accept the lowest or any tender.

Sealed tenders must be submitted in the endorsed

envelope provided for the purpose, and forwarded to the Clerk of the County Council, County Offices, Haverfordwest, so as to reach him not later than 12 o'clock noon on Monday, 29th August, 1949.

W. E. BUFTON,

Cierk of the County Council.

County Offices, Haverfordwest, Pembs.

23rd July, 1949.

Architectural Appointments Vacant A lines or under, 5s.; each additional line, 1s. 6d.

A RCHITECTURAL ABSISTANT of Intermediate standard, required immediately by Firm of Architects in West End of London; salary according to experience and qualifications.

BOX 1068.

ENIOR ASSISTANT ARCHITECT required for appointment to staff of Development and Research Department; applicants must noted Associateship of R.I.B.A. and be interested and experienced in industrial construction. "Applications in writing, stating age, experience, and salary required, to Chief Staff Architect, litord, Ltd., Komford, Essex." 1588

Ltd., Romford, Essex.

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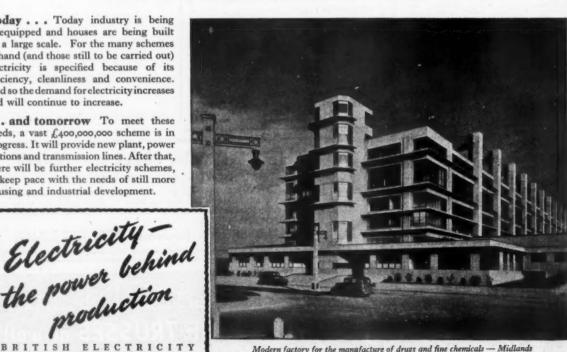
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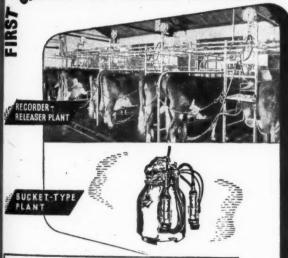
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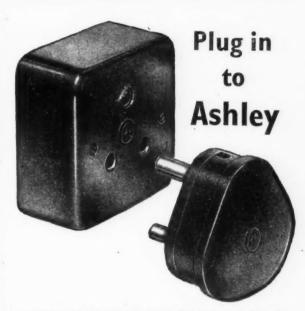
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