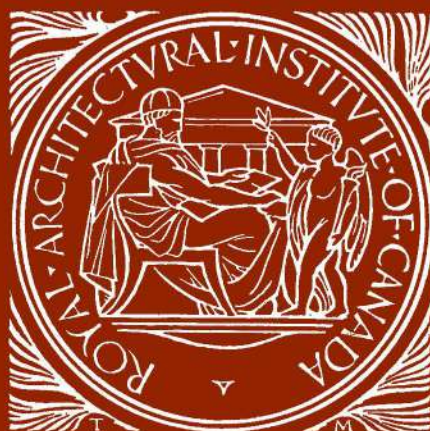


THE
JOURNAL
ROYAL ARCHITECTURAL
INSTITUTE OF CANADA



Vol. XIV, No. 5

MAY, 1937

TORONTO



1866 The First TRANS-ATLANTIC *Cable* ..went into operation

In 1866 the first Atlantic Cable of commercial value was laid between Valentia, Ireland and Hearts Content, Newfoundland. Two previous attempts had failed due to breakages at sea. Finally, "The Great Eastern", largest ship in the world at that time, dropped anchor at Hearts Content and the link between the Old and New Worlds was complete.

1864 JENKINS VALVES were *Invented*

Into the design and manufacture of every Jenkins Valve goes the practical experience of 73 years of valve making. The result is a product of high quality—correct in design, and sturdily made from metals of highest tensile strength. There is a Jenkins Valve for practically every purpose—a valve that provides the long, dependable performance that industry demands.



HELP TO MAKE THE HOME IMPROVEMENT PLAN A SUCCESS BY SUPPORTING ITS ACTIVITIES

Jenkins Valves



Jenkins Bros

SINCE 1864

Always marked with the "Diamond"

BRONZE ▾ IRON ▾ STEEL

MADE IN CANADA BY JENKINS BROS. LIMITED, MONTREAL

FIRST THINGS FIRST

GOOD HEATING FOR GOOD BUILDINGS

DUNHAM DIFFERENTIAL HEATING

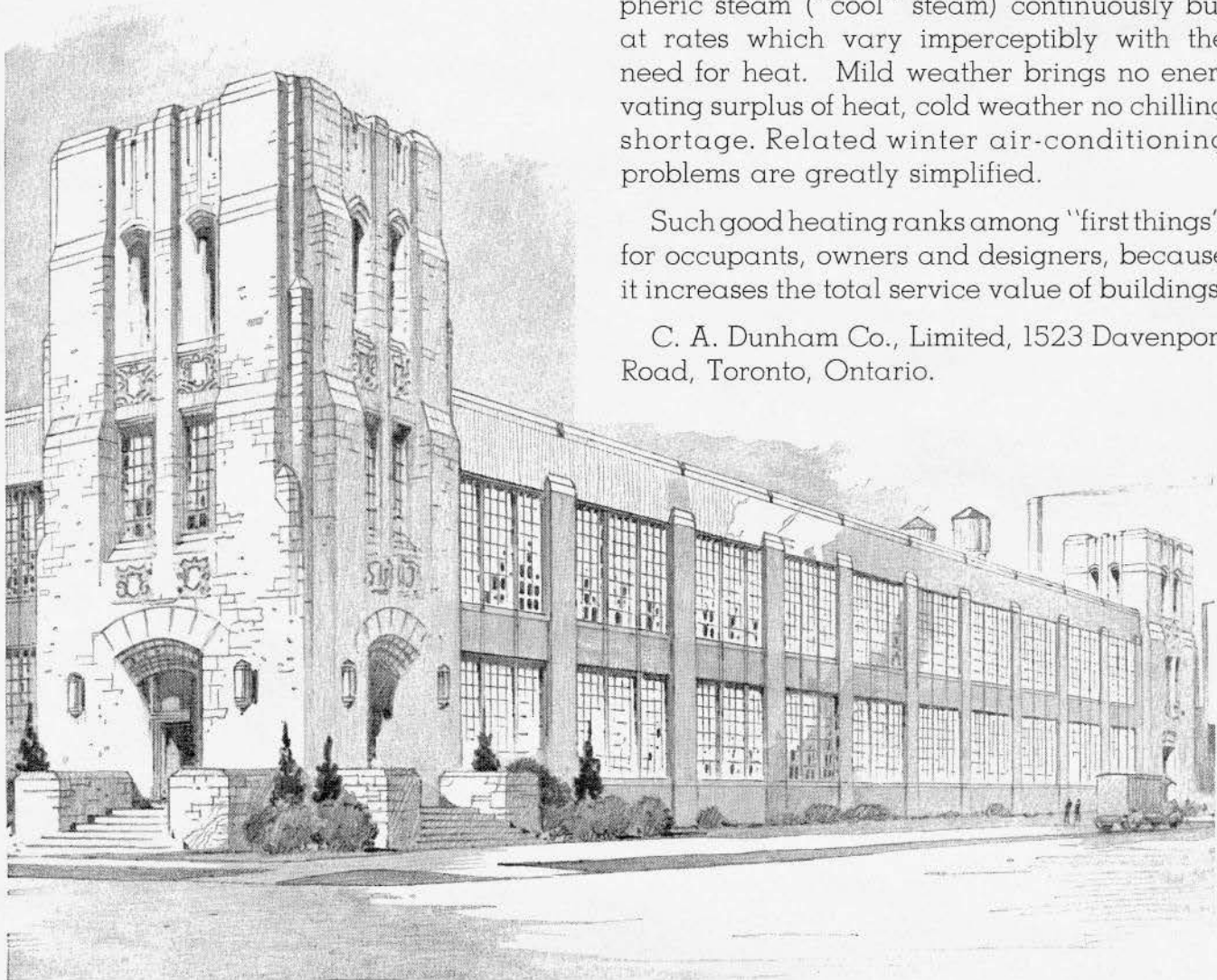
● A good building may impress the passerby with its grace and implicit fitness to function. Inspection may well enhance such casual good impressions. Yet unless the building has good heating, it will fall short of full service to its occupants and thus to its owners.

First things first! Heating comfort is imperative if good architectural design is to express itself fully in human satisfactions.

Dunham Differential Heating keeps good buildings comfortable. During the long months of the heating season it distributes sub-atmospheric steam ("cool" steam) continuously but at rates which vary imperceptibly with the need for heat. Mild weather brings no enervating surplus of heat, cold weather no chilling shortage. Related winter air-conditioning problems are greatly simplified.

Such good heating ranks among "first things" for occupants, owners and designers, because it increases the total service value of buildings.

C. A. Dunham Co., Limited, 1523 Davenport Road, Toronto, Ontario.





All the dark oak and walnut woodwork in the residence of the U.S. Ambassador in Ottawa was primed with Aluminum Paint and the color scheme changed to bright hues of grey and greenish blue.

Because of its durable priming qualities, Aluminum Paint was selected for the priming on this renovation job. The opaque coat of Aluminum makes the ideal base for the application of the finishing coat, as it resists moisture and retards swelling and shrinking of the wood.

"Alpaste" Aluminum Paint has a high reflectivity and is extensively used for inside painting of factory buildings to improve illumination. Write the Company at Toronto or Montreal for detailed information.

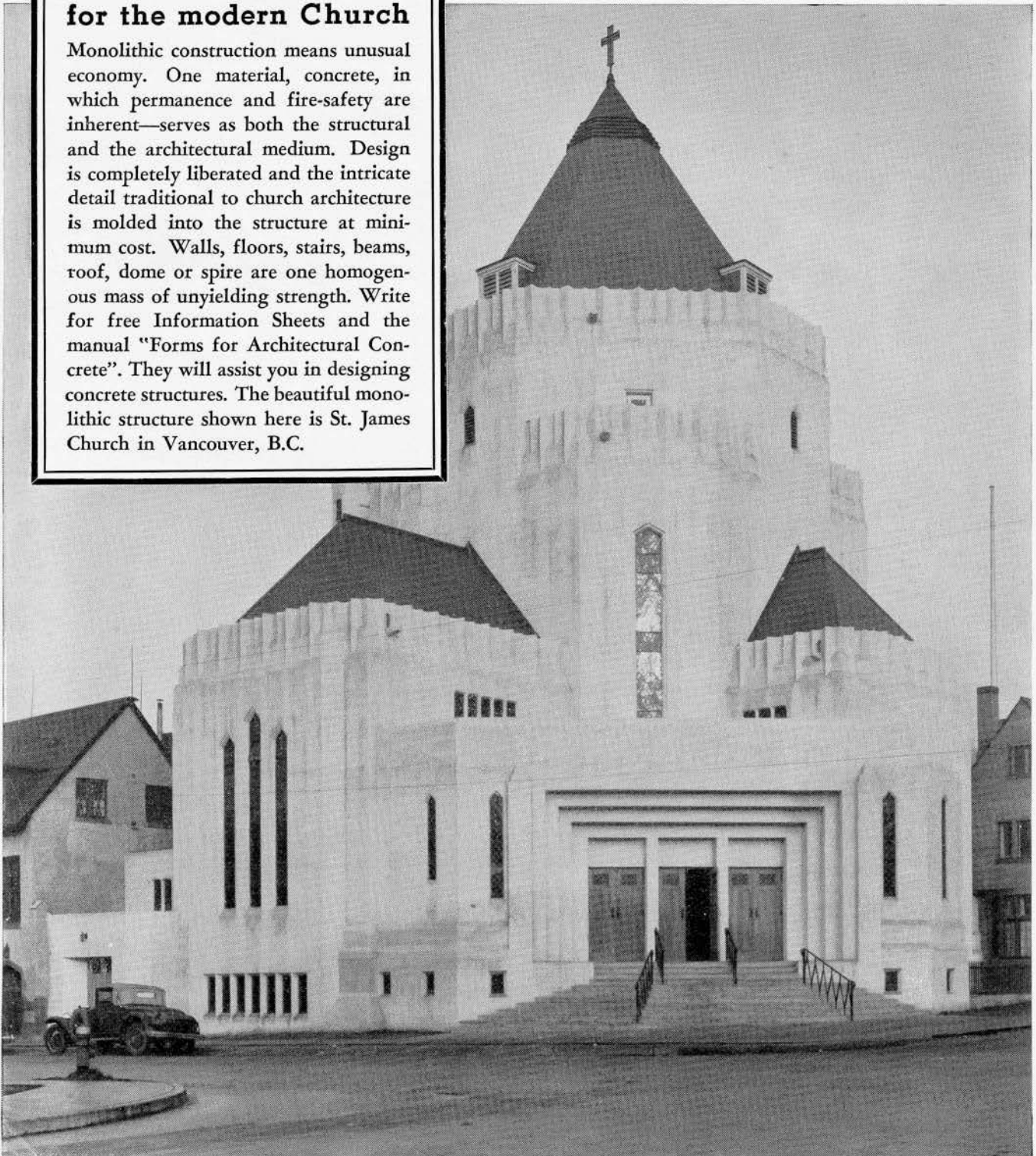
ALUMINUM COMPANY OF CANADA LIMITED
Toronto and Montreal

**ALPASTE FOR
ALUMINUM PAINT**

Architectural CONCRETE

for the modern Church

Monolithic construction means unusual economy. One material, concrete, in which permanence and fire-safety are inherent—serves as both the structural and the architectural medium. Design is completely liberated and the intricate detail traditional to church architecture is molded into the structure at minimum cost. Walls, floors, stairs, beams, roof, dome or spire are one homogeneous mass of unyielding strength. Write for free Information Sheets and the manual "Forms for Architectural Concrete". They will assist you in designing concrete structures. The beautiful monolithic structure shown here is St. James Church in Vancouver, B.C.



CANADA CEMENT COMPANY LIMITED

Canada Cement Company Building - Phillips Square, Montreal

Sales Offices at: MONTREAL TORONTO WINNIPEG CALGARY



The TREND is toward ASPHALT SHINGLES

Surveys and sales show clearly that the trend is toward asphalt shingles for roofing Canadian homes.

Only a few years ago, home-owners had to choose between roofs that were almost prohibitive in cost and required extra heavy construction or shingles that were inflammable.

Barrett Shingles have solved the problem 100%. When you select Barrett Shingles you get an attractive, colorful roof *plus* fire-safe, weather-tight, long-lasting protection . . . all at a cost within the most limited building budget!

Write our nearest office for descriptive, illustrated booklet today!

THE BARRETT COMPANY LIMITED

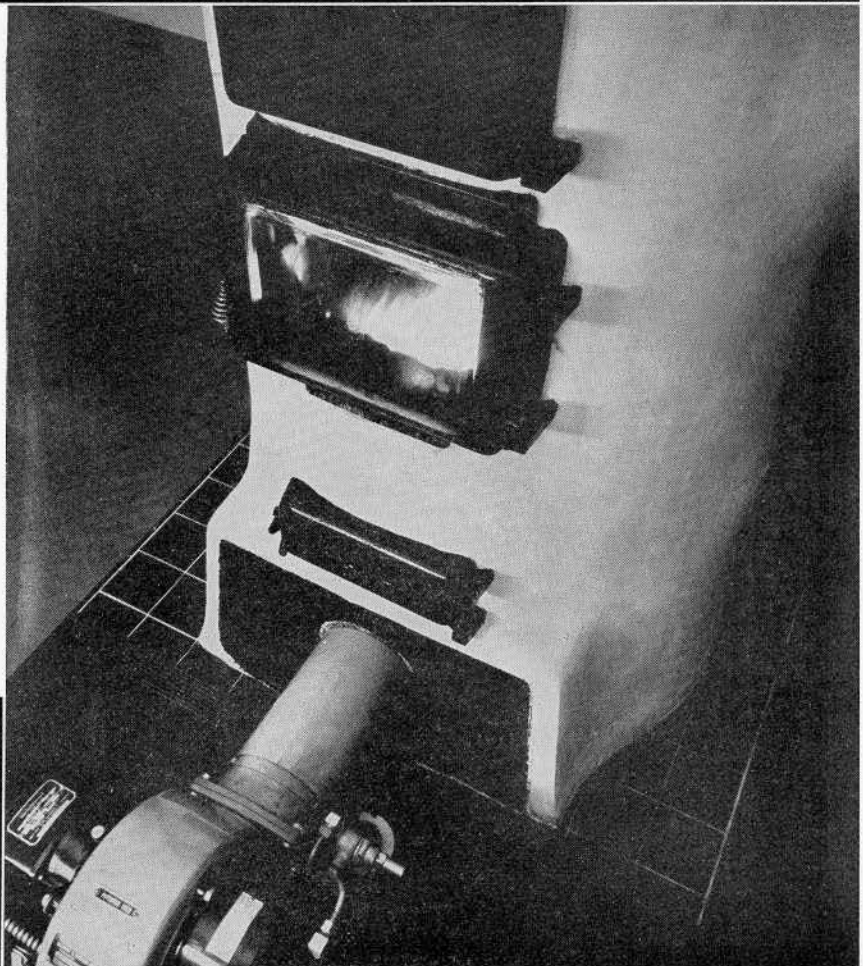
MONTREAL · TORONTO · WINNIPEG · VANCOUVER

A COMPLETE HOME HEATING SERVICE *Guaranteed by Imperial Oil*

Let Imperial Oil take the entire responsibility for heating your home. With one simple transaction you can assure yourself of clean, automatic, even, healthful oil heat—at a touch of your finger. You have only one organization to deal with for oil burner, for service, for furnace fuel oil. The reputation of Canada's oldest and largest oil company is your assurance of complete satisfaction. Imperial Oil cannot afford to sell anything but the best.

Right—Imperial G & B Oil Burners will fit any furnace, heat any home. The famous "Flexible Flame" is adjustable to both size and shape of any fire-box and thus assures most heat per dollar.

Below—The Imperial G & B Oil Heat Unit is the last word in oil heating equipment and is ideal for installation in new homes.



The Imperial 3 Star Heating Plan Provides for . . .

★ **THE BURNER** Imperial G & B Oil Heating Equipment is the most advanced made. There are both Conversion Burners and Heating Units in several models to meet the individual requirements of every size of home.

★ **THE SERVICE** Expert service men, inspecting regularly, keep your Imperial G & B equipment operating most efficiently and most economically. All models are guaranteed and serviced free for one year.

★ **IMPERIAL FURNACE FUEL OIL** Imperial Furnace Fuel Oil is the highest quality fuel oil made. It is delivered by a supply service which never sleeps — never lets your tank become empty — you don't even have to remember to order.

Deferred Payments Available

For further information, write, phone or call at the nearest office of

IMPERIAL OIL LIMITED



Stelco Chain Link fence — Canadian from ore to finished product — means two-way safety. It protects property from theft and damage. It protects would-be trespassers against themselves. Rust and weather resisting because it is "copper-bearing" and extra-heavily galvanized, Stelco Chain Link fence is a *permanent*, upkeep-free improvement that enhances the appearance of *any* property. For rail-ways, industrial premises, schools, playing fields and all enclosures. Estimates submitted without obligation.

Chain Link Fence is but one of many hundreds of Stelco Products that create a wide spread of Canadian employ-ment — in Stelco's own plants and in plants to which Stelco supplies vital raw materials.

THE STEEL COMPANY OF CANADA, LIMITED

HAMILTON - EXECUTIVE OFFICES - MONTREAL

SALES OFFICES: HALIFAX, ST. JOHN, MONTREAL, TORONTO, HAMILTON, WINNIPEG VANCOUVER
WORKS: HAMILTON, MONTREAL, TORONTO, BRANTFORD, LONDON, GANANOQUE

To Build Lasting Good Will, Specify
GENERAL  ELECTRIC
HEATING AND AIR CONDITIONING



*Residence of D. A. Fitzgerald,
 Old Yonge Street, York Mills.
 Architects: Forsey Page & Steele.
 Builders: Carr & Barnes.*

This Fine Toronto Residence features

1. G-E AUTOMATIC OIL FURNACE

2. COMPLETE WINTER AIR CONDITIONING

3. YEAR-ROUND DOMESTIC HOT WATER

QUICK acceptance—permanent good-will—these are two important advantages you enjoy when you specify General Electric Oil Heating and Air Conditioning Equipment.

The G-E Oil Furnace is one complete, compact, co-ordinated unit—guaranteed by Canadian General Electric. Owners report that its efficient design saves 12% to 37% on fuel bills. In addition, it provides plenty of domestic hot water the year 'round at exceptionally low cost.

With General Electric Winter Air Conditioning, the air is properly heated and humidified—cleaned and circulated. It ensures a comfortable indoor atmosphere—more healthful living—and greater protection for fine furniture.

**CANADIAN
 GENERAL  ELECTRIC**
 COMPANY LIMITED

Mail this coupon..
TODAY

CANADIAN GENERAL ELECTRIC PT-177
 CO. LIMITED
 212 KING ST. WEST, TORONTO.

Please send, without obligation, copy of illustrated booklet: "Luxurious Heat"
 "Luxurious Heat and Air"

Name.....

Street Address.....

City or Town.....



INTRODUCING *Silvray*
 THE NEWEST . . . INEXPENSIVE . . .
 INDIRECT LIGHTING

● Architects, builders and owners are welcoming SILVRAY UNITS which bring beautifying, sight-saving, indirect lighting within the price limit of the most modest estimate. Everyone agrees that modern indirect lighting is the ideal type of illumination. Everyone can now benefit by this attractive and efficient form of lighting—at a new low cost.

THE NEW SILVERED BOWL MAZDA LAMP is the secret of the economy and efficiency of SILVRAY LIGHTING UNITS. *The bowl of the lamp itself acts as the dust-proof, long-lasting reflector.* Installation and maintenance costs are drastically reduced. There are attractive SILVRAY UNITS for every home or commercial need. Made and sold in Canada by Amalgamated Electric. For complete information get in touch with any branch.

● THE MODERN BEAUTY of Silvray Indirect Lighting complements architectural skill. The large photograph above shows the material improvement in appearance and in business efficiency achieved when SILVRAY UNITS were installed in the offices of the Brooklyn Edison Company. The former system (in circle) delivered an average intensity of 5 foot-candles of light, with sharp shadows and glaring bright spots. The Silvray installation (above) using the new Silvered Bowl Mazda Lamp, provides 18 foot-candles of light without glare or shadows.

AMONG THE MANY new Silvray users are: Radio City, New York; Standard Oil Company; Johns-Manville Company, and the Chase National Bank.

Illustrated literature on SILVRAY—the newest type of indirect lighting—will be supplied on request.



The Symbol
of Satisfaction

Amalgamated Electric Corporation Limited

TORONTO

MONTREAL

Langley Electric Manufacturing Co. Limited, Winnipeg

Langley Manufacturing Co. Limited, Vancouver

Langley Electrical Co. Limited, Calgary

THE JOURNAL

ROYAL ARCHITECTURAL INSTITUTE OF CANADA

Serial No. 141

TORONTO, MAY, 1937

Vol. XIV, No. 5

CONTENTS

CREATIVE ARCHITECTURE, BY EMILE VENNE, M.R.A.I.C.....	79
THE MECHANICAL EQUIPMENT OF THE MODERN HOUSE, BY MILTON S. OSBORNE, B.ARCH., M.Sc., F.R.A.I.C.....	84
PLANNING THE MODERN BATHROOM, BY B. EVAN PARRY, F.R.A.I.C.....	90
PLANNING THE MODERN KITCHEN, BY B. EVAN PARRY, F.R.A.I.C.....	92
LIST OF MEMBERS, 1937.....	95
NOTES.....	100

PLATE ILLUSTRATIONS

BATHROOM IN RESIDENCE OF MRS. EUGENE HAWKE, TORONTO.....	FRONTISPIECE
SALON—RESIDENCE OF HON. J. EARL LAWSON, K.C., M.P., TORONTO.....	89
MODERN KITCHEN IN A MONTREAL RESIDENCE.....	95

PUBLISHED EVERY MONTH FOR THE
ROYAL ARCHITECTURAL INSTITUTE OF CANADA

Editor—I. MARKUS

EDITORIAL BOARD

ALLAN GEORGE
PHILIP J. TURNER (*F*)
RICHARD A. FISHER
MACKENZIE WATERS
JOHN Y. McCARTER

BURWELL R. COON, *Chairman*
GORDON S. ADAMSON
H. CLAIRE MOTT (*F*)
E. J. GILBERT
E. R. ARTHUR
P. C. UNDERWOOD

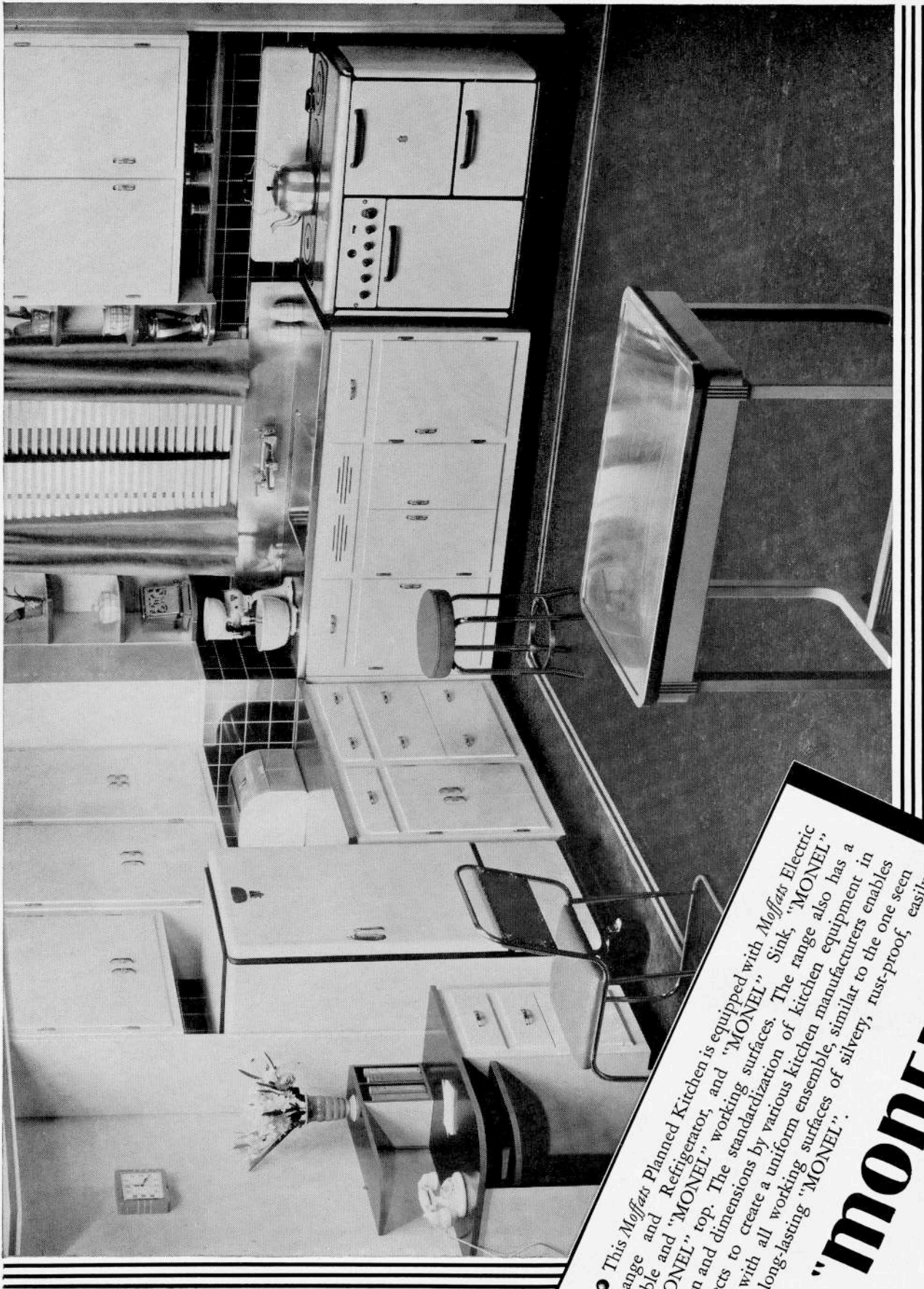
EMILE VENNE
MILTON S. OSBORNE (*F*)
A. T. GALT DURNFORD
W. M. BROWN
EDGAR S. MARROTTE

PUBLISHERS: ARCHITECTURAL PUBLICATIONS LIMITED

Publication, Editorial and Advertising Offices 74 King Street East, Toronto
Chicago Representative Macintyre & Simpson, 75 East Wacker Drive, Chicago
Great Britain Representative... C. Rowley Ltd., 53 & 54 Ave. Chambers, Southampton Row, London W.C.I, England

SUBSCRIPTIONS

Canada and Newfoundland—Three Dollars per year. Great Britain, British Possessions, United States and Mexico—Five Dollars per year.
All Other Countries—Six Dollars per year. Single Copies—Canada 50 Cents; Other Countries 75 Cents.



• This *Moffats* Planned Kitchen is equipped with *Moffats* Electric Range and Refrigerator, and "MONEL" Sink, "MONEL" design and dimensions by various kitchen manufacturers enables architects to create a uniform kitchen ensemble, similar to the one seen here — with all working surfaces of silvery, rust-proof, easily cleaned, long-lasting "MONEL".

"monel"

CANADIAN NICKEL PRODUCTS LIMITED — 25 King Street W., Toronto
 A Subsidiary of THE INTERNATIONAL NICKEL COMPANY OF CANADA LIMITED



BATHROOM IN RESIDENCE OF MRS. EUGENE HAWKE, TORONTO
E. R. Arthur and A. P. C. Adamson, M.M.R.A.I.C., Architects

CREATIVE ARCHITECTURE

BY EMILE VENNE, M.R.A.I.C.

Architecte diplômé par le gouvernement français. Professor of Architecture—Ecole des Beaux-Arts, Montreal

IN WHAT could modernism find a more adequate expression than in domestic architecture? Should not the houses of today be built according to the ideals of today? Have we not now, needs, habits of life, cravings for comfort different from those prevalent—I would not say a century ago, not even fifty years ago—only three decades past? Nobody would venture to say: No! Setting these questions is answering them.

Where, more than in our country, should a characteristic ideal of architecture have developed? We were in a privileged condition to do it, but we have not. Our whole history, our whole life is one of pacific conquest of a great land, and of a particular climate. Had we expressed our battle against the land, had we solved the problems that our winter presents, Canadian architecture would mean something. We have known of the discoveries of the world and have used the inventions of our neighbours. Commodities, appliances, materials have been utilized by us without great ingenuity. The solutions to our problems are not adapted.

Why? Probably because we have not as yet formed an ideal of our own. Too many and too divided there exist European ideals, American ideals, etc., among our small population of ten million souls throughout the Dominion. We need a Canadian ideal to create an architecture.

I hope I do not have to explain, when I mention the non-existence of a characteristic Canadian architecture, that I intend in no way to discredit what has been done in this country as a whole, or in part. I only want to state that we have not contributed specifically to the architectural wealth of humanity, even if here and there we know of buildings or houses intelligently and skilfully planned, designed and executed. But, as the actual trend is towards modernistic expression, is it useless to try and suggest a higher target? I expect not. And this is why I will attempt to examine conditions of a veritable modern expression. I know that in a short paper, I shall but scratch the surface. Let another, or many others more qualified, go farther, and do better.

Architects do know very well they are in no way responsible for all that is done in building. Particularly when that building is a house. In domestic architecture two parties are involved: first, the client (who, very often, is a numerous party), second, the architect. The result is always a compound of caprices, freaks, partial knowledge, curious ignorance, character, particular habits and

financial possibilities of the first party, with the knowledge, the ideals, the science and the character of the architect, the second party. In domestic architecture one master exists: the client, towards whom the architect has one duty: satisfy his needs with his means. This is the "raison d'être" of the architect, and sometimes it is tragically tyrannical. So, in domestic architecture the final result is not the work of the artist alone. The solution of such problems has then a social side. It cannot be only what we want it to be. The laymen's educational limitations dominate the situation.

In apartment houses where the first thought of a proprietor is expected profits, the problem happens to be, in numerous cases, exceedingly difficult for one who contemplates the expression of an ideal of beauty. Such buildings, generally, are at the same time too small or too large to permit a real and effective design. Recent buildings of this type in Europe, particularly in France under the H.B.M. plan, express some fairly good solutions. Our governments would render a grand service to the cause of architecture in sponsoring similar enterprises in this country and far better results could be obtained than with the proposed plan of building small houses for which efforts have been spent quite uselessly (architecturally speaking); for, in the study and execution of large units, collaboration of a certain number of architects would permit the creative invention of large and inspiring apartment blocks in our cities and thus furnish a basis for future research.

* * *

"A new era has begun."¹ Those conceptions of small houses for every man appear as ideas of past ages, ideas of peasantry. Farm houses are isolated in the landscape, but cities of today must be composed of large, balanced and beautiful buildings where comfort can be given at small cost to the utmost number of people. In Canada, a young country with vast spaces, where the only thing we have is the future, we adopt a scheme of the middle ages: small houses, village houses! And we imagine that is architecture.

Architecture is a conception of greatness, a solution beautiful and joyful in the distribution of space. Having a new country to build, our solution could be an example to the world. Instead, we try to copy the little cottages of Belfast, Dublin or of the suburbs of London. And, when we modernize, we attempt to copy some of Le Corbusier's organ-

¹Le Corbusier, 1924.

ized conceptions, extraneous to our character, our climate and even to the true possibilities of our proper materials.

In attempting the latter many think they are modernizing. We want to be modern. There is no choice to be made. We have to be modern. But I fear we do not know exactly what this means. Being "modern" is doing creative work. How many of us moderns are more than some sort of "Renaissance architects," duplicating not only the antiquities, but other countries' creative works?

Real modern production expresses modern personality with modern means. Personality is you, or else it is I. Your personality is bound to influence yourself and others. We might not all be in accord, for personality while pleasing a few, may adversely affect others. There is no harm in that. In this age we expect personality and crave for it. Experiments are needed. They might offend, they might grip the nerves, it does not matter, we must experiment if a solution, a new "classical" solution is to be formulated. Ahead, farther ahead. Even a blunder in such cases attains a high value. Knowing what "not to do" is oftentimes the best thing to know. So experiment, if your client is willing, if he has the intelligence to let you try to the utmost of your talent, your science, your ingenuity, your love of beauty and the splendour of your ideal.

Let us copy no more, and in our efforts to create let us beware that we do not fall successively into all the blunders that classical architecture has learned to avoid.

* * *

And all of this because:

First: If there is one condition essential to the giving of value to any work of art so that it can expand and endure, it is when it expresses at the same time the character of the country and the epoch of its production, possessing at the same time enough generality to be understood and admired by the greatest possible number of dissimilar men. Accordingly, it must proceed both from social tension and social release. It has to be new in fact, and yet keep within the balance of scientific knowledge. The true gauge of its production can only be one where release and tension are in a certain state of equilibrium.

Second: We are living in an age of transition. In other words we are living in a creative period, a

period when humanity revises ideals. Men feel acutely the imperfection and relativity of their intelligence and of the means they have to express themselves. In such periods, men seek always to surpass themselves, they test the impossible and try to express the inexpressible. Such periods compared to classical ones are like disease compared to health. But, particularly during periods of decadence and disease, the human soul has the best notions of the impossible and of the inexpressible. And so, it is during those times that we seek to evade nature, feeling only our inherent weakness and over estimating our veritable strength and power of a possible and indefinite development.

Classical periods, on the contrary, being of logical and robust vitality do not create. Success does not ask for further effort.

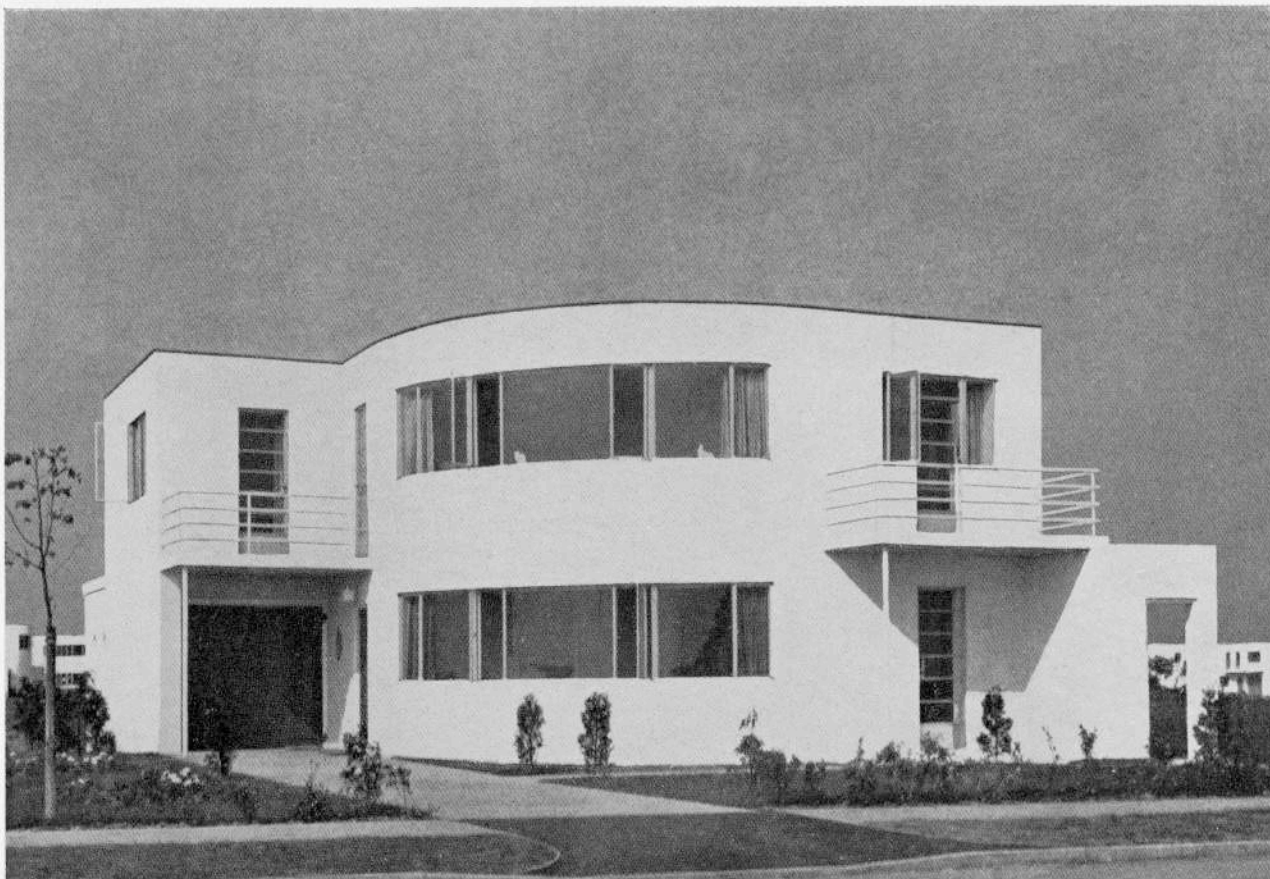
* * *

Nowhere, more than in this country where much is yet to be done, should such inventive mentality exist. In my opinion it does exist. But we have up to now feared to try our wings. We have traditionalists and modernists, but both groups content themselves in following the path of European or American architects, new trails are not our present lot. Either we follow tradition too closely, or we break too brutally with it.

* * *

I have tried to show the higher ideals and the conditions of invention. Perhaps I would have done better in studying more materially our actual productions. However, many others will do that, and I do not think it amiss if sometimes we look far, far ahead, and as high as possible.

We know that our personality has not found its expression. We still, in this great world, appear as copyists, even when we try "modern" architecture. This is not in accordance with a proper and justifiable conception of modernism. Just as we often repeat the forms created in previous centuries—with archaeological accuracy at times—so we repeat forms created by modernists in Europe and in the United States. What if we tried to create a tradition for ourselves, the solution of our personal problems? All architects desire it. So what? The problem is a social one and domestic architecture is social by definition.



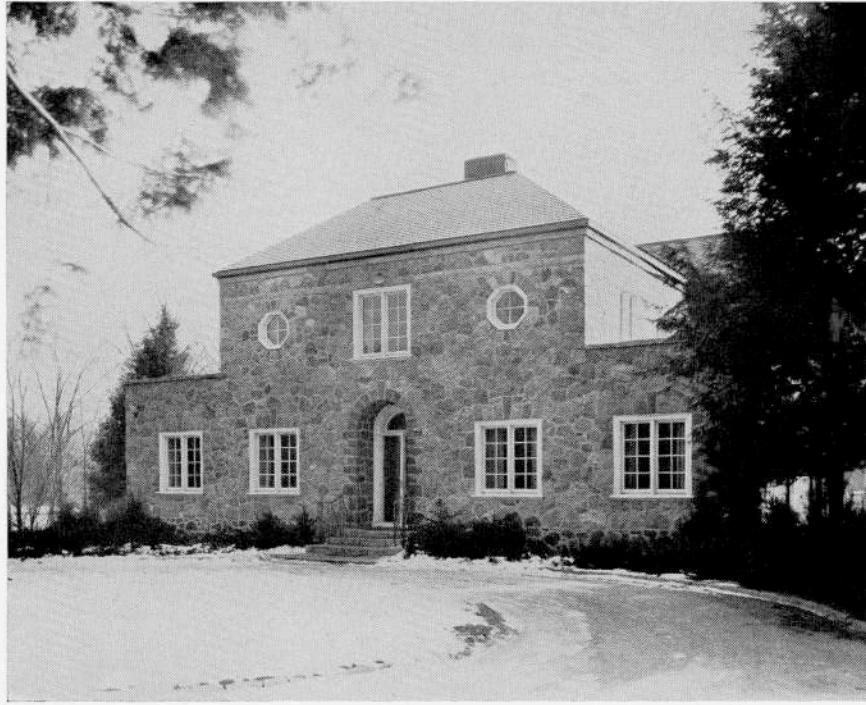
HOUSE AT FRINTON-ON-SEA, ENGLAND

Oliver Hill, F.R.I.B.A., Architect



LIVING ROOM—HOUSE AT FRINTON-ON-SEA, ENGLAND

Oliver Hill, F.R.I.B.A., Architect



RESIDENCE OF H. V. TYRRELL, ESQ., TORONTO
W. L. Somerville, F.R.A.I.C., Architect



COTTAGE FOR LADY NANTON, WINNIPEG
Herbert H. G. Moody, M.R.A.I.C., Architect



RESIDENCE OF E. C. McDOUGALL, ESQ., VANCOUVER
Theo. Korner, M.R.A.I.C., Architect



RESIDENCE OF N. J. BREEN, ESQ., WINNIPEG
A. E. Cubbage, M.R.A.I.C., Architect

THE MECHANICAL EQUIPMENT OF THE MODERN HOUSE

BY MILTON S. OSBORNE, B.A.R.C.H., M.Sc., F.R.A.I.C.

HEAD OF DEPARTMENT OF ARCHITECTURE AND FINE ARTS, UNIVERSITY OF MANITOBA

THE LAST decade has brought many interesting developments in the mechanical equipment of buildings. Scientific advancement resulting from experiment and research, the requirements of a more exacting and interested public, and the necessity of meeting the demands of the compact and simplified modern architectural styles have no doubt all combined to bring this about.

We need only compare the heating plant of a few years ago, with its exposed piping, its chains to dampers, its gauges and gadgets, with the enclosed, compact, and efficient-looking cabinets of the present day to appreciate how far we have come in the matter of appearance alone. The column radiators, protruding conspicuously into the room, were never attractive, in spite of their floral decoration. They invariably complicated the problem of interior decoration through their interference with the draping of windows and the placing of furniture. The tubular radiator has been in general use in residential heating for several years and although it is no doubt a decided improvement over the ungraceful column radiators, there has been a decided change lately in favour of convectors, usually of fin design. They are usually placed in recessed cabinets, with one or more grilles in the face or in the sill above. These are expensive, due to the necessity of providing recesses, the lining and insulating of these recesses, and the supplying of proper grilles. The design of the grilles has done much to improve the appearance of tubular radiators, particularly if their finish is in keeping with the decorative scheme of the house.

The convector depends for its efficiency on proper circulation of air, the cold air entering the grille at the bottom is heated, expands and rises up and out from the enclosure, supplying a stream of heated air. There are several types; the narrow cast iron tube radiator enclosed as a heating unit in a convector, the one with the integral cast fins set at an angle to the tube so that the fins will deflect air upward, and a third with the fins running on the sides of a high narrow chamber.

The installation and piping of the convector does not differ materially from the methods used for ordinary exposed radiators. The finished floor should run under the convector to the back of the recess, and the recess should be provided with asbestos lining and proper sides or baffle plates. The flush front enclosure, used where there is sufficient wall depth, is no doubt the most

attractive from an interior decoration point of view.

Air conditioning is the greatest development to appear in the heating world since the introduction of central heat. The air is washed, in the winter it is humidified and filtered through a close screen, which means that the proper amount of moisture is supplied to it, and finally it is circulated. Through proper air conditioning we are able to extend the comfort season through the year as well as aiding health by controlling the quality of the air in the house. In both summer and winter air motion and air cleaning should be possible, so it seems only proper foresight to plan even the simplest heating or winter air conditioning installation for eventual expansion to provide for cooling and dehumidifying.

The heating equipment should maintain an indoor temperature of 72 degrees F. in all living quarters, irrespective of outdoor temperatures, and the humidifying equipment should maintain a relative humidity of 40% indoors when the outdoor temperature is about 35 degrees if windows are single glazed, and 0 degrees if windows are double glazed. To counteract condensation on windows, it is often better to tolerate lower indoor humidity during the most severe weather. Air motion is necessary in order to insure a uniform distribution of heat. This requires some form of fan or blower equipment which is also essential to air cleaning. The temperature and air velocity should be such as to avoid drafts.

The air cleaning equipment should be able to remove dust, soot, pollen, grit, as well as smoke and odours from the air. This requires air motion and depends upon the volume and frequency of mechanical circulation and the design of the filters and washers used. The cooling equipment should be capable of lowering the temperature indoors not over 15 degrees below prevailing outdoor temperature. A greater differential is too great a shock to the human body and is, therefore, injurious.

Summer comfort may depend upon dehumidifying alone, or cooling alone, or by both in varying proportions. Automatic control of heating, cooling, and air conditioning are essential to comfort, for it is beyond the skill of the average person to control heat variables to maintain comfort conditions even if convenience and economy of operation were not considered. There should be control of all equipment with the minimum of attention

so that standard conditions will be maintained, regardless of outdoor conditions.

There are many ways to accomplish the desired results in heating, cooling and air conditioning. Warm air heating with ducts used for distribution from a central source is readily adaptable to all year round air conditioning, because its prerequisite is the circulation of air from a heated space where it can easily be treated as desired. A warm air heating plant with forced air circulation may be converted into an air conditioning plant through the addition of air washer, filter, humidifier and fan. Such a system furnishes warmed, humidified, cleaned air through individual ducts to every room in the house. It is limited, however, if the plan of the house requires excessively long ducts. Individual vents are provided from kitchen and bathrooms; with the exception of infiltration losses the remainder of the air is carried back to the plant to be warmed, cleaned and humidified again. The ideal arrangement is the installation of both supply and return ducts for each room, but economy usually requires the omission of some of these return ducts and the substitution of large ones at handy points. There is always the serious objection that kitchen and bathroom odours may be recirculated into the system, but by venting them outdoors this may be avoided. This will mean heat loss and higher fuel cost, which might entirely upset the advantages of the first cost of the system.

Piped heating has a number of advantages for heating, but is not so easily adapted for air conditioning. It is usually necessary to install unit blowers, humidifiers and air cleaners in each space to be conditioned. Summer air conditioning requires the use of unit coolers with their own fans and air cleaners. Some cooling may be done by piping cold water through existing radiators if the radiators are equipped with drip pans and drains to remove condensation.

A combination system suitable for large residences, schools, churches, and theatres, where intermittent heat is required, uses both direct radiation and indirect warm air heating. There is a central steam or hot water boiler connected to direct radiators where heating alone is required, and to indirect heating elements in one or more systems of warm air ducts where air conditioning is required. Service rooms, bath and garage may be heated by radiators and isolated from the return duct system where objectionable odours might be circulated. Other sections of the building might be completely air conditioned by local indirect heating units. The central plant would be used for an all year round supply of hot water or any summer steam demanded.

Special care should be taken in the selection of the equipment regarding future air conditioning requirements. The boiler should be equipped with

an oil burner, gas burner or automatic stoker and should be completely automatic in operation. While the main heat source would be used for hot water supply in winter it may be impractical for such use during the summer. Steam and hot water boilers may be equipped with indirect heaters for supplying domestic hot water and both types of plants may be operated all year round for this purpose by cutting off the distribution lines in summer. The change-over is more readily made with steam than with hot water.

One unit system humidifier eliminates the system of ducts and substitutes unit conditioners or humidifying radiators, which consist of convector type radiators, a blower, filter and evaporator, all in one. They may be adaptable to existing structures where there is not too much difficulty encountered in cutting through partitions and other structural parts of the building. They are quite expensive and not generally used where a complete system can be installed. It is scarcely likely that this type of humidifier would be considered in a new house. They are attractive units replacing the radiator and look much like large radio cabinets. Control is automatic with manual selection and is so arranged to prevent incorrect combinations of air conditioning functions. They may be connected to steam or circulating hot water for heating and humidifying purposes.

A portable type of air conditioner has a water cooled condensing unit enclosed in a steel, sound-absorbing case and a cooling unit with fan, all mounted on a common base with rubber-tired wheels and enclosed in a very decorative steel cabinet. There is an electric cable for plugging into a light circuit and a flexible hose or copper tubing for connection with the water supply and drain. Special precautions must be taken to avoid scaling up of units due to impurities in the water.

Many of the modern units are attractive, neat and compact pieces of home furniture. The controls are enclosed, the cabinets shaped much like a large trunk, finished in attractive colour combinations. They should not in any way detract from the appearance of a children's play room, a recreation room for adults, or a store room.

One type is "encased in a cabinet of heavy 20 gauge, cold-rolled furniture steel in glossy, two-toned green enamel, corners are gracefully rounded and proportions have been carefully balanced. Valves, piping, motor and controls are concealed, yet are readily accessible through large, removable panels." One company claims compactness, reduced weight, improved appearance, reduced possibility of leaks, visible refrigerant check, quiet, vibrationless mechanism, and accessibility.

A new summer air conditioning equipment to be put on the market soon, guarantees a saving

of from 15 to 25% on installation. It uses water as the primary cooling medium. A compact, high efficiency indoor cooling tower keeps water consumption well below that required for ordinary water cooled refrigerator condensers. A reduction in water costs of over 90% is claimed in test installations as compared with standard refrigerator equipment. It is estimated that summer cooling for an ordinary house will cost less than \$1,000.00, and have a reasonable operating cost of \$25.00 to \$35.00.

The design of the mechanical equipment of the modern kitchen has evolved far from the days of the hand pump in the corner, the black, sooty range, and the cast iron sink. Enamelled units trimmed in stainless steel so designed that they fit into a compact related group, have been on the market for several years and are continually in the process of improvement.

There is a very interesting article in the "Architectural Forum" April, 1937, on the "Integrated House" that presents some ideas on mechanical equipment well worth considering. Quoting: "The development of such equipment (furnace, refrigerator, bathroom and kitchen equipment) was until recently a predominantly unit-by-unit development. But as the development of individual units has become more and more perfect, the contrast between individual units and their effect in combination has become steadily more evident. The inevitable result of this process has been the introduction of integrated equipment. Integrated kitchen equipment, which starts merely as a redesign of typical kitchen fixtures for better use together, invariably soon involves the incorporation in the various units of parts formerly belonging together, and separate units." The article goes on to suggest that these varied prefabricated units might easily be developed into a "completely integrated and prefabricated mechanical power plant for the modern home." The bathroom and kitchen fixtures as well as water heater, heating, and ventilating equipment would require only soil and vent lines, water, gas and electrical connections to be ready for use.

The designing and location of the kitchen equipment may make or mar the effectiveness of the kitchen as a working machine. The house plan will determine the location, size, shape, and peculiarities of doors and windows and it is there that we find the difference between awkward, unworkable, kitchens and pleasant, convenient ones. The planning of the kitchen will not be considered in this discussion, let us say only that the various units must be arranged in proper work sequence, the work moving from left to right or right to left, depending upon the location of the dining centre, the outside door, and access to stored food supplies. The U-shaped kitchen is generally con-

ceded as the most convenient in which to work and is especially advisable in apartments or small homes where there are few in the family. Arranged in normal sequence, kitchen operations are: receiving supplies, storing supplies, in cabinets or refrigerator, preparing and mixing foods, cooking, serving, cleaning up, replacing food and dishes in their proper storage space. It naturally follows that the kitchen equipment must be so placed as to allow each operation to be done most easily and quickly.

Counters may be used for work centres and part of the space beneath used for the storage of utensils and supplies. Knee space should be allowed under the sink and work counters, and a space recessed under all cupboards that come flush to the floor. cupboard doors should not be too wide and the cupboard tops should be low enough to be easily cleaned or the ceiling should be furred down to their tops. The cabinets of the kitchen recently shown by a well known manufacturer have non-panel doors, with metal bar handles and are recessed at the base for toe space. The counters may be of a number of materials, their order of cost being stainless steel, monel metal, porcelain, linoleum, maple wood, pressed wood.

The new refrigerator has shallow shelves to avoid a long reach. The shelves are not uniform, but divided into compartments, one much colder than the other, for meats, eggs, etc. and the other less cold, for vegetables and fruits.

The kitchen sink has the back splash cut down to six inches to provide for a lower window and allow better light and outlook. There is an increasing demand for the double-bowl type, one bowl the usual depth and the other twice that. The deeper one is provided with a large wire frame for stacking dishes for drying. Cabinets underneath help in looks as well as convenience, one side fitted with shelves and the other holding the drain pipe with room for miscellaneous cleaning materials.

The kitchen range is a most attractive adjunct to the modern home, with chromium and blue and scarlet trim. There is ample space on the burners for large pans and skillets and some have removable plates or platters that can be taken to the table. The stove reaches to the floor with space beneath for pot and pan storage. There is an automatic oven control, a thermostat and a clock-operated heat starter and shut-off.

There are all manner of attachments for the food mixer that will mix cakes, shred vegetables, extract fruit juice and polish silver.

There is no longer room for complaint on the part of the architect that the mechanical equipment of the house detracts from its beauty, for the manufacturer has met the demands of a mechanical age in combinations of beauty, utility and efficiency that have never before been equalled.



STAIR HALL
RESIDENCE OF MR. & MRS. E. J. TROTT, MONTREAL
Fetherstonhaugh and Durnford, M.M.R.A.I.C., Architects



BEDROOM—RESIDENCE OF J. S. McLEAN, ESQ., TORONTO
Saunders and Ryrie, M.M.R.A.I.C., Architects



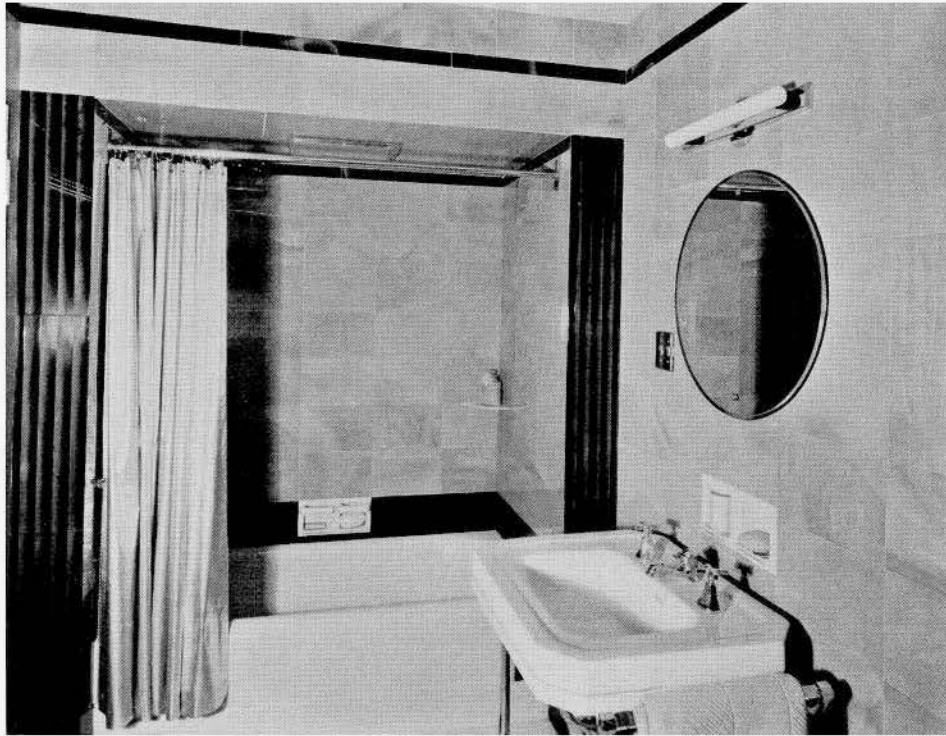
DRESSING ROOM



DOROTHY JANE'S ROOM
RESIDENCE OF HON. J. EARL LAWSON, K.C., M.P., TORONTO
Catto and Catto, M.M.R.A.I.C., Architects



SALON—RESIDENCE OF HON. J. EARL LAWSON, K.C., M.P., TORONTO
Catto and Catto, M.M.R.A.I.C., Architects



MODERN BATHROOM IN A TORONTO RESIDENCE

PLANNING THE MODERN BATHROOM

BY B. EVAN PARRY, F.R.A.I.C.

PLANS and details of a bathroom in a set of house plans demand more lines per square inch than any other unit. There is every reason to suppose that if a bath manufacturer conducted his business as does an architect when drawing the details for a bathroom, the former would not sell a stock product from his warehouse but would make a special bath, W.C. or lavatory basin $\frac{1}{2}$ " wider and $\frac{3}{8}$ " longer than the previous one made. Result—monetary loss to all concerned. Based on this premise, surely it is possible for architects to start with certain stock bathrooms when the house is first being planned, and treat this space with the same respect which is given the space allotted for a car in a garage, a bed in the bedroom, or a range in the kitchen. There are many types of bathrooms which could be boiled down to stock plans and no end of time and trouble saved in the draughting room. (See illustration page 91). This particularly applies to houses costing fifteen thousand dollars and under. After all, architects have no objection to using stock fixtures, why not employ stock overall dimensions?

It is a truism that a bathroom placed over a kitchen very often determines where the second floor hall shall be, as also the stairs. Most of us

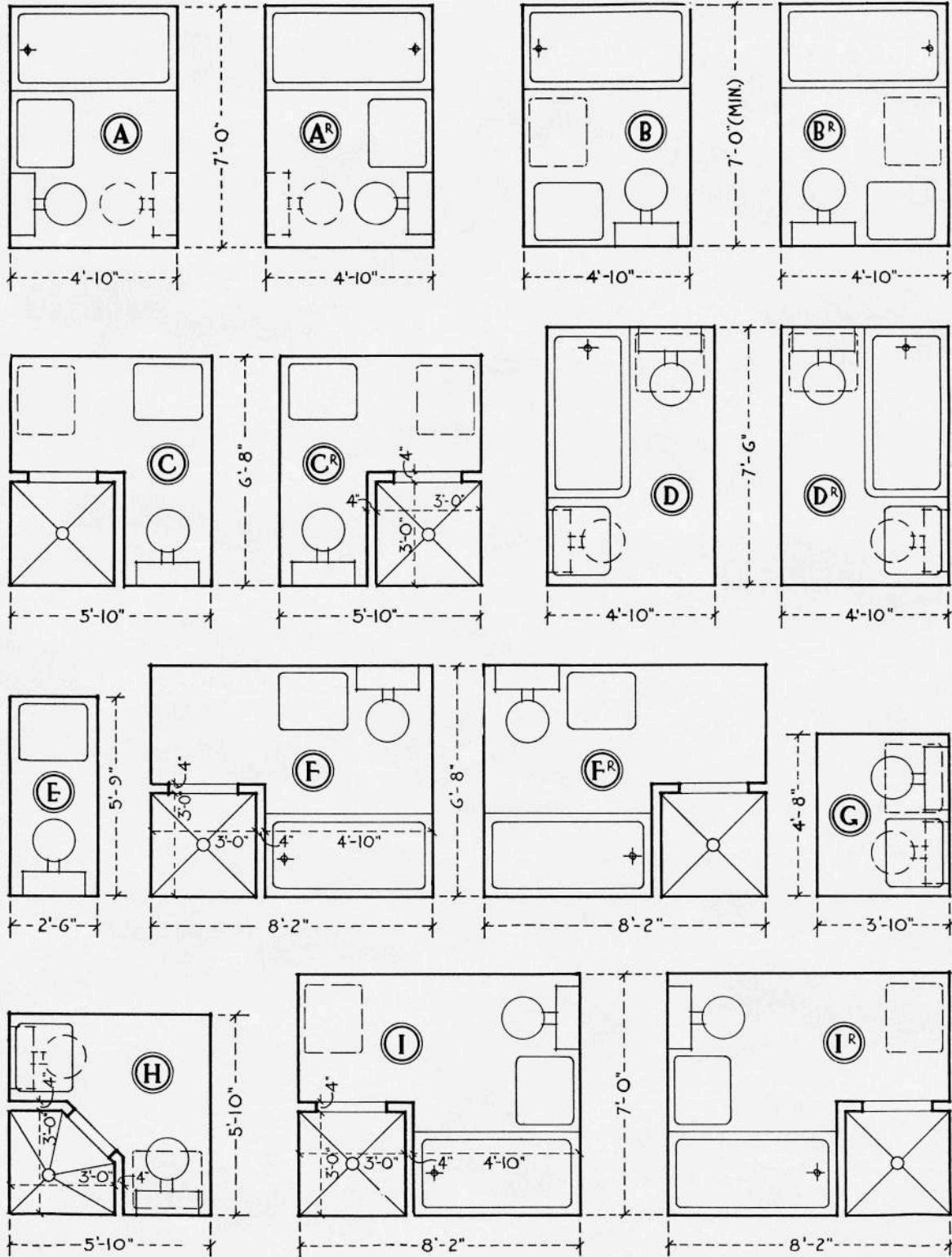
will agree that the greater the excellence of a house plan, the smaller its second-floor hall.

In practice one sometimes plans a bathroom between two bedrooms each of which has a door leading into the bathroom. This arrangement emphasizes the problem of how to make the person leaving the bath remember to unlock the other door. There is an opportunity here for the development of some simple automatic device which would lock and unlock both simultaneously. This could be done electrically.

The Pullman car has a lesson for architects in the arrangement for plumbing pipes wherein the toilet is placed at a 45° angle because of the limited space, which in the case of a house affords space for the pipes and enables the fixture to be placed nearer the corner of the room than if the toilet were at right angles. The minimum size for any bathroom is 5' 9" x 4' 10".

There is one valuable amenity in the basement often lost sight of and that is toilet accommodation which would include a shower bath, lavatory, and toilet. Such provision for a family with growing boys is invaluable.

There are one or two details which to the experienced architect are common practice, but which may be worth noting, i.e.—never place a window



Courtesy American Architect and Architecture

TYPICAL BATHROOM PLANS

over the bath unless there is absolutely no other location possible. If a window *must* be there, it is preferable to make it a casement, for when it sticks, as it is almost certain to, it is easier to push or pull open than to lift the window as is necessary with a double-hung sash. Where there are children one sometimes hears of Peggy locking herself in and the fireman or policeman is called to release her. The old Colonial house which had a latch and a bolt on the inside well above the reach of children solved this problem in a very simple manner. Mouldings are "de trop" in a bathroom as in a hospital. Doors should be perfectly flush on the inside and trim eliminated. Sound-proofing is well worth while. Ceramic tile is the most practical for floors. Marble, structural glass or synthetics are the best materials for walls. Lighting within the last few years has been developed in a most amazing manner, especially in bathrooms, such as indirect lighting in a ceiling panel, adjustable and semi-indirect vertical lighting units at the sides of the medicine cabinet mirror, horizontal semi-indirect lighting tubes for the top of the mirror, moisture-proof bulbs in the tub-shower recess, and an ultra-violet ceiling fixture.

Harking back to standardized units, no longer do architects await with fear the delivery of a bath which they felt would be longer than the size they had allowed for. It is now ordered by number which remark also applies to all the fittings, and further no longer is the short-sighted bather handicapped in the effort to decipher which is the hot or cold faucet, since such things are now made of *different colours*.

Mr. J. B. Priestley's (the well known author) bathroom in London, England is of a most unusual type, but has its points in that the W.C. and shower placed on either side at the bottom of the bath is screened by curtains giving the privacy desired. The Alpha and Omega of bath design is the "five purpose" bath developed in England. This bath is designed to provide full bathing accommodation in houses or flats in which there is no bathroom or no space in which to make a bathroom. It can be used as a sitting bath for an adult or child, a wash basin for hand use or light laundry articles, a kitchen sink with draining board, a home laundry fully equipped with wash board and wringer, and a strong table for meals or kitchen use, ironing, pastry-making, etc.

PLANNING THE MODERN KITCHEN

BY B. EVAN PARRY, F.R.A.I.C.

ANY plan of a kitchen which disrupts the three major work centres by door space, breakfast alcove, storage closet or any other element not constantly used in food preparation, is faulty. If work centres must be physically separated, their relative location should be such as to allow a natural sequence of activity from storage and preparation, through sink and cleaning, to the cooking and serving centre. Plans based on these principles demonstrate efficiency.

Do not make the mistake of thinking that there is an absolute relationship between space requirements and food service loads, because there is not, if a case in point is required, take the Pullman car kitchen. Solutions to kitchen planning today are largely subject to standardization within definite limits. Work centres with suitable equipment form planning units of standardized character and dimensions and all the architect need do is to organize them effectively to create a kitchen that will work well in practice.

Permanent tenure of houses is a thing of the past and most houses are subject to resale at any time. Therefore, kitchens should be planned for normal, rather than special needs to make the

house saleable to any buyer when necessary. It is generally better to relate the size and equipment of a kitchen to the size of the house than to special requirements—real or imagined—of its first owner. Short cuts to arrive at any conclusion are more often than not dangerous, but on general principles the size of the kitchen may be determined as follows: i.e.—The number of bedrooms plus three will determine the number of persons to be served. Space for major equipment elements can be taken as for refrigerator, two cubic feet per bedroom, plus one to two extra cubic feet of refrigerator capacity. Wall cabinet storage calls for approximately six square feet of shelf area per person, including guests. Capacity of ranges varies widely, and no scientific basis exists for fixing the cooking capacity of a range within such limits as are of practical application in residential kitchen planning. The size of the sink space can be calculated as four or five lineal feet, including the work top, this applies even for small kitchens. Greater length may be required up to eight or ten lineal feet, but the former is the minimum.

Although there are only three major work centres recognized in modern kitchen planning, there are six elemental work centres, i.e.—food storage; food



MODERN KITCHEN IN A MONTREAL RESIDENCE

preparation and kitchen cleaning; cooking centre; hot and cold food service; tableware cleaning and tableware storage. These elemental centres when reduced to three consist of food storage and preparation centre, sink and dishwasher centre, cooking and serving centre. A fourth supplementary centre can be used for tableware storage or pantry. If work centres must be physically disassociated due to the plan, it is better to keep the preparatory space near the sink rather than the refrigerator. When centres are contiguous this does not apply.

The ideal kitchen plan is a U-shaped arrangement with the sink and work top forming the bottom of

the U and the food storage and preparation centre and cooking and serving centre forming the legs of the U.

Professor H. H. Madill contends that "The most significant trend in modern architecture both inside and out is toward simplification, graceful lines and sleekness being the keynote." Further, he is of opinion that it is rather incongruous to expect that the public who demand the very latest in interior accoutrements will indefinitely accept out-moded styles in their homes. This contention is well founded and perhaps applies more to kitchens and bathrooms in houses than anything else.



MODERN KITCHEN IN A TORONTO RESIDENCE

LIST OF MEMBERS, 1937

THE ROYAL ARCHITECTURAL INSTITUTE OF CANADA

HONORARY FELLOWS

ALLWARD, WALTER S., R.C.A., 20 Teddington Park Blvd., Toronto, Ont.
 CURRY, S. G., 64 Warren Road, Toronto, Ont.
 TAYLOR, SIR ANDREW T., J.P., F.S.A., R.C.A., 21 Lyndhurst Road, Hampstead N.W., London, England
 UNWIN, SIR RAYMOND, Dr. Tech.h.c. (Prague), D.Arch.h.c. (Toronto), Wyldes, North End, Hampstead, London, England
 WILLINGDON, RIGHT HONOURABLE VISCOUNT, G.C.S.I., G.C.M.G., G.C.I.E., G.B.E., Delhi, India

PROVINCE OF ALBERTA

COUNCIL

President—R. P. BLAKEY *1st Vice-President*—J. Martland *2nd Vice-President*—J. M. STEVENSON
Honorary Secretary—W. G. BLAKEY, 10053 Jasper Ave., Edmonton *Honorary Treasurer*—CECIL S. BURGESS (F)
Representative on the Senate of the University of Alberta—CECIL S. BURGESS (F)
Honorary Auditor—H. STORY *Councillors*—M. C. DEWAR, H. W. MEECH

MEMBERS

BATES, W. S. Canada Life Bldg., Calgary BENNETT, L. H. 1108-7th Avenue West, Calgary BLAKEY, R. P. Imperial Bank Chambers, Edmonton BLAKEY, W. G. 10053 Jasper Ave., Edmonton BRANTON, W. A. School Board Offices, Calgary BROWN, E. T. Lineham Block, Calgary BURGESS, C. S. (F) University of Alberta, Edmonton DEWAR, M. C. 9620-103rd St., Edmonton DUNHAM, G. FOOTE P. O. Box 205, Orlando, Fla., U.S.A. TEMPLIN, B. P. 129 King St. W., Kitchener, Ont.	FORDYCE, G. 129 Seventh Avenue West, Calgary MACDONALD, G. H. 834 Tegler Bldg., Edmonton MAGOON, H. A. 834 Tegler Bldg., Edmonton MARTLAND, J. 501 Civic Block, Edmonton MCLLROY, D. S. (F) 503 Southam Bldg., Calgary MEECH, H. WM. 114 McFarland Bldg., Lethbridge PICHE, ALPHONSE 35 Belmont Street, Montreal STEVENSON, J. M. 129 Seventh Avenue West, Calgary STORY, H. 11134-90th Ave., Edmonton
--	--

PROVINCE OF BRITISH COLUMBIA

COUNCIL

President—HY. WHITTAKER *Vice-President*—WM. FRED'K. GARDINER *Honorary Secretary*—S. M. EVELEIGH
Honorary Treasurer—H. BLACKADDER
Councillors—ANDREW L. MERCER, WM. BOW, GEO. NAIRNE, S. M. EVELEIGH
Representing the University of British Columbia—PROF. F. E. BUCK
Secretary—E. B. McMASTER, 510 Shelly Bldg., Vancouver

MEMBERS

ARTHUR, ERIC R. 9 Elm St., Toronto BIRLEY, S. P. 321 Pemberton Bldg., Victoria BLACKADDER, H. 509 Richards St., Vancouver BOW, WM. 850 W. Hastings St., Vancouver BRODERICK, C. A. P.O. Box 2186, Trail CARPENTER, D. D. 930 Marine Bldg., Vancouver CARRIE, Alex. Box 156, Nelson CLARKSON, ERIC C. 306 Union Bldg., Victoria COLVILLE, DAVID 1412 Royal Bank Bldg., Vancouver COX, A. A. "Gracemere," Royal Esplanade, Margate, Kent, England CULLERNE, H. 325 Howe St., Vancouver CURTIS, RICHARD Box 1026, Vernon DAY, HARRY D. 1240 Tattersall Dr., Victoria DAY, J. C. 5, 445 Granville St., Vancouver DODD, WM. Aldergrove DOWNING, MAX B. 555 Howe St., Vancouver EVANS, E. 506, 119 W. Pender St., Vancouver EVANS, G. NORRIS 506, 119 W. Pender St., Vancouver EVELEIGH, S. M. 4584 W. 1st Ave., Vancouver FORD, G. S. Cardigan Rd. and Upper Terrace, Oak Bay, Victoria FOX, PERCY 5 Brown Blk., Broad St., Victoria GARDINER, F. G. 330 Birks Bldg., Vancouver GARDINER, WM. FRED'K. . . . Vancouver Block, Vancouver GRIFFITH, H. S. 207 W. Hastings St., Vancouver HODGSON, HUGH, 22 Alfred Place, S. Kensington, London S.W.7, Eng. HOLLAND, SYLVIA G. . . . 518 Central Bldg., Victoria JAMES, DOUGLAS Duncan JAMES, P. LEONARD (F) . . . 1007 Government St., Victoria JOHNSON, J. GRAHAM 316 Sayward Bldg., Victoria KEITH, J. C. M. 914 Burdette Ave., Victoria KERR, T. L. Metropolitan Bldg., Vancouver	KORNER, THEO. Dunderave P.O., West Bay LORT, ROSS A. 540 Howe St., Vancouver LYON, ROBT. Front St., Penticton MERCER, ANDREW L. . . . 330 Birks Bldg., Vancouver MERCER, JOHN 300 Birks Bldg., Vancouver MOORE, CHAS. Creston MORRISON, JOHN R. Box 1003, Kamloops MOUNTAIN, FRANK 5530 Balaclava, Vancouver McARRAY, THOS. B. . . . 1065 East 56th Ave., Vancouver McCARTER, JOHN Y. . . . 1930 Marine Bldg., Vancouver McINTYRE, JOHN 460 Ocean View Ave., Powell River NAIRNE, GEO. 1930 Marine Bldg., Vancouver OWEN, W. A. Cumberland PORTER, JOHN S. 2159 W. 44th Ave., Vancouver POSTLE, H. W. c/o Vancouver School Bd., Vancouver SAVAGE, HUBERT 616 Sayward Bldg., Victoria SEMEYN, W. J. 2 Brown Blk., Broad St., Victoria SHARP, G. L. T. 626 W. Pender St., Vancouver SIMMONDS, H. H. 320 Province Bldg., Vancouver THOMPSON, C. J. 626 W. Pender St., Vancouver TOWNLEY, FRED L. 325 Homer St., Vancouver TWIZELL, G. S. Metropolitan Bldg., Vancouver TWIZELL, R. P. S. Metropolitan Bldg., Vancouver UNDERWOOD, PERCY C. . . 3825 W. 23rd Ave., Vancouver VAN NORMAN, C. B. K. . . . 398 Burrard St., Vancouver WATKINS, C. ELWOOD . . . 320 Central Bldg., Victoria WATSON, JOS. F. 509 Richards St., Vancouver WHITEWAY, W. T. Vancouver WHITTAKER, HENRY Dept. of Public Works, Victoria WILLIAMS, W. F. P.O. Box 520, Nelson WILSON, W. R. 866 Craigflower Rd., Victoria
--	---

ASSOCIATES

BAXTER, JAS. 2293 Kings Ave., West Vancouver CAMPBELL, CLIVE D. . . . 1055 Foul Bay Rd., Victoria DOBSON, HUGH 4408 West 6th Ave., Vancouver GRIBBLE, FRANKLIN J. . . . 914 Burdette Ave., Victoria	MCCAIN, DONALD H. 306 Union Bldg., Victoria WATSON, JOHN A. 316 Sayward Bldg., Victoria WHITE, PETER S. 316 Sayward Bldg., Victoria WOODS, BASIL E. 306 St. James St., Victoria
--	--

PROVINCE OF MANITOBA

COUNCIL

President—HERBERT H. MOODY *Vice-President*—FRED W. WATT *Secretary-Treasurer*—E. FITZ MUNN, 903 McArthur Bldg., Winnipeg
Councillors—C. S. BRIDGMAN, WM. FINGLAND, MILTON S. OSBORNE (F), W. P. OVER, E. PRAIN, J. H. G. RUSSELL (F)

HONORARY MEMBERS

BRERETON, W. P. City Hall, Winnipeg STOUGHTON, A. A. 156 East 42nd St., New York, N.Y.	MITCHELL, LT. COL. J. B. . . . 45 East Gate, Winnipeg
---	---

MEMBERS

BELLHOUSE, D. W. 12 Huntley Apts., Winnipeg BLANKSTEIN, C. N. Film Exchange Bldg., Winnipeg BRIDGMAN, C. S. 80 Cordova St., Winnipeg BRINDLE, C. H. Box 182, Souris CHIVERS, C. W. U. London & Western Trust Bldg., Winnipeg CHIVERS, J. A. 1845 Dorchester St. W., Montreal, Que. CUBBRIDGE, J. A. E. 808 Boyd Bldg., Winnipeg DOBUSH, PETER 112 Barber St., Winnipeg EADE, H. R. Imperial Bank Bldg., Winnipeg EYRES, WESLEY. 35 Royal York Apts., 1107 George St., Chicago, Ill. FINCH, LLOYD 1289 Wolsley Ave., Winnipeg FINGLAND, WM. 381 Cooper St., Ottawa, Ont. GREEN, L. J. Film Exchange Bldg., Winnipeg HALLEY, J. Dept. of Mines, 71 Bank St., Ottawa, Ont. HAM, R. C. Film Exchange Bldg., Winnipeg HAWKER, J. 9 Preston Park Ave., Brighton, England HORWOOD, V. W. 112 Bryce St., Winnipeg LE MAISTRE, F. F. 112 Bryce St., Winnipeg MARTIN, W. M. School Board Office, William Ave., Winnipeg MELVILLE, A. 5 Board Bldg., Winnipeg MOODY, H. H. G. 216 Graham Ave., Winnipeg	MOORE, R. E. 216 Graham Ave., Winnipeg MUNN, E. FITZ 903 McArthur Bldg., Winnipeg NICOLL, JAMES 24 King St. W., Toronto, Ont. NORTHWOOD, GEO. W. (F) . . London & Western Trust Bldg., Winnipeg OSBORNE, M. S. (F) University of Manitoba, Winnipeg OVER, W. P. 903 McArthur Bldg., Winnipeg PARFITT, G. Parliament Bldg., Winnipeg PARKINSON, E. 375 Hargrave St., Winnipeg PRAIN, E. 506 Confederation Life Bldg., Winnipeg PRATT, R. B. (F) 710 Electric Railway Chambers, Winnipeg ROSS, D. A. 117 Harvard Ave., Winnipeg RUSSELL, G. L. Film Exchange Bldg., Winnipeg RUSSELL, J. H. G. (F), PP.R.A.I.C. . . 1110 McArthur Bldg., Winnipeg RUSSELL, NORMAN 1110 McArthur Bldg., Winnipeg RUTTAN, F. N. 1019 Dorchester Ave., Winnipeg SEMENS, J. N. 508 Great West Permanent Bldg., Winnipeg SHILLINGLAW, W. H. (F) 302 Russell St., Brandon TEETER, G. G. 509 Lombard Bldg., Winnipeg WALMSLEY, F. G. 235 Broadway E., Vancouver, B.C. WATT, F. W. 3rd Floor, 348 Main St., Winnipeg WOODMAN, J. 504 River Ave., Winnipeg
--	---

PROVINCE OF NEW BRUNSWICK

COUNCIL

President—H. S. BRENNAN *Vice-President*—J. K. GILLIES *Secretary-Treasurer*—H. CLAIRE MOTT (F), 15 Germain Street, Saint John
Councillor—W. W. ALWARD

MEMBERS

ALWARD, W. W.	1 Market Square, Saint John	HEANS, J. L.	274 Rockland Road, Saint John
BRENNAN, H. S.	42 Princess St., Saint John	MORRISON, A. I.	Campbellton
CAMPBELL, K. I.	Fredericton	MOTT, H. C. (F)	15 Germain St., Saint John
FEENEY, J. L.	56 Manawagonish Rd., Fairville	MOTT, H. H. (F)	15 Germain St., Saint John
GILLIES, J. K.	1 Market Square, Saint John	WILSON, G. W.	50 Princess Street, Saint John

PROVINCE OF NOVA SCOTIA

COUNCIL

President—L. R. FAIRN *Vice-President*—W. M. BROWN *Honorary Secretary-Treasurer*—A. E. PRIEST, 428 Robie St., Halifax
Councillors—M. R. CHAPPELL, A. R. COBB, S. P. DUMARESQ, C. ST. J. WILSON

MEMBERS

BROWN, W. M.	Queen Bldg., Hollis St., Halifax	MACLEOD, A. N.	P.O. Box 558, New Waterford
CHAPPELL, M. R.	Brooklands Street, Sydney	MCCORMICK, A. J.	80 Park St., Sydney
COBB, A. R. (F)	Canada Permanent Bldg., Halifax	MORTON, ROBERT	70 Hawthorne St., Dartmouth
DUMARESQ, S. P. (F)	Royal Bank Bldg., Halifax	PRIEST, A. E.	428 Robie St., Halifax
FAIRN, L. R.	Wolfville	VERNON, E. D.	802 Prince St., Truro
FOWLER, C. A.	Capitol Bldg., Halifax	WEBBER, DOUGLAS A.	21 Pleasant St., Dartmouth
GATES, H. E. (F)	Bank of Nova Scotia Bldg., Halifax	WEST, W. A.	Province Bldg., Halifax
LANGILLE, C. L.	56 LeMarchant St., Halifax	WHITFORD, J. H.	Bridgewater
WILSON, C. ST. J.	Roy Bldg., Halifax

PROVINCE OF ONTARIO

COUNCIL

President—A. S. MATHERS *Vice-President*—JOHN M. WATT *Honorary Treasurer*—Wm. H. HOLCOMBE
Councillors—MURRAY BROWN (F), A. J. HAZELGROVE, GEORGE Y. MASSON
Secretary—J. P. HYNES (F), 74 King Street East, Toronto

REGISTRATION BOARD

Chairman—DR. JOHN A. PEARSON (F) *Vice-Chairman*—JAMES H. CRAIG
Members—C. J. BURRITT (F), W. B. RIDDELL, H. H. MADILL (F)
Secretary—J. P. HYNES (F), 74 King Street East, Toronto

CHAPTERS

Hamilton—Chairman, F. C. BODLEY; Secretary, J. D. KYLES
London—Chairman, L. G. BRIDGMAN; Secretary, J. V. CONNOR
Windsor—Chairman, JOHN R. BOYDE; Secretary, H. P. SHEPPARD

HONORARY MEMBERS

CURRY, S. G. (Hon. F)	64 Warren Road, Toronto	MOND, SIR ROBERT, LL.D. 9 Cavendish Square, London, W.1, England
FALCONER, SIR ROBERT A., K.C.M.G., LL.D. 81 Glengowan Rd., Toronto		RAE, WILLIAM, B.S.C., ARCH.
FLAVELLE, SIR JOS. W., Bart, LL.D.	Queen's Park, Toronto	SMITH, EDEN.
GORDON, H. B.	35 Kendal Ave., Toronto	WOLSEY, R. B.
MASSEY, HON. VINCENT, M.A., High Commissioner for Canada		WRIGHT, C. H. C., B.A.S.C.
	33 Portman Sq., W.1, London, Eng.	

MEMBERS

ABRA, W. J.	55 Metcalfe St., Ottawa	CAMERON, KENNETH L.	76 Adelaide St. W., Toronto
ADAM, JAS.	14 Metcalfe St., Ottawa	CARD, RAYMOND W. G.	142 Chester Ave., Toronto
ADAMSON, ANTHONY, M.A.	9 Elm St., Toronto	CARROTHERS, L. E.	Public Utilities Bldg., London
ADAMSON, GORDON S., B.A.R.C.H.	96 Bloor St. W., Toronto	CARSWELL, W. E., B.A.R.C.H.	School of Arch., U. of T., Toronto
ALBRECHTSEN, OLUF.	876 Yonge St., Toronto	CARTER, ALEXANDER SCOTT, R.C.A.	1 Breadalbane St., Toronto
ALLEN, J. T.	4 William St. N., Lindsay	CARTER, HAROLD.	119 Cornell Ave., Toronto
ALLEN, E. M.	Dept. of Public Works, Parliament Bldgs., Toronto	CARTER, W. J.	1015 Parent Blvd., Windsor
ALLWARD, HUGH L., F.R.I.B.A.	57 Bloor St. W., Toronto	CATTO, DOUGLAS F., B.A.R.C.H.	56-58 Adelaide St. E., Toronto
ANGUS, A. E., A.R.I.B.A.	Whalen Bldg., Port Arthur	CATTO, RONALD W., B.A.S.C.	56-58 Adelaide St. E., Toronto
ARCHIBALD, IAN T., B.A.R.C.H. 1440 St. Catherine St. W., Montreal, Que.		CHADWICK, BRYAN.	132 Church St., Toronto
ARMSTRONG, N. A.	19 Melinda St., Toronto	CHADWICK, VAUX.	132 Church St., Toronto
ARNOLDI, E. TELFER.	Confederation Life Bldg., Toronto	CHANDLER, R. B., B.A.S.C.	Public Utilities Bldg., Port Arthur
ARTHUR, E. R., M.A., A.R.I.B.A.	School of Architecture, University of Toronto, Toronto	CHAPMAN, ALFRED (F), F.R.I.B.A., A.R.C.A.	372 Bay St., Toronto
AUSTIN, AARON.	79 Quebec St., Guelph	CHARLTON, W. A.	52 Moore Ave., Toronto
AYRKROYD, WOODRUFF K.	40 Concord Ave., Toronto	CHISWELL, R. L.	3045 Dundas St. W., Toronto
BAND, CHARLES P.	95 Woodlawn Ave. W., Toronto	CHOWN, HENRY J.	20 Wayland Ave., Toronto
BARBER, A. H.	261 Belsize Drive, Toronto	CHOWN, W. D.	218 Heath St. W., Toronto
BARKER, W. EDWARD.	481 Eglinton Ave. West, Toronto	CLARK, ALEX. G.	876 Manning Ave., Toronto
BARLOW, J. R.	1261 Yonge St., Toronto	CLARK, JOHN T.	950 Second Ave., Owen Sound
BAROTT, ERNEST I., D.F.A. (F), F.R.I.B.A., A.R.C.A.	Canada Cement Bldg., Montreal, Que.	COCKBURN, A. E.	1292 Ferry St., Niagara Falls
BAZELEY, GORDON.	1170 Yonge St., Toronto	COLEMAN, ERVINE M., B.A.R.C.H.	c/o Dominion Realty Co., 25 King St. W., Toronto
BEATTIE, W. C.	66 Craig St., Ottawa	COLLINGE, RAYMOND H.	71 King St. W., Toronto
BECK, J. J., A.R.I.B.A.	c/o J. M. Lyle, 250 Bloor St. W., Toronto	COLLINS, JOHN H., B.A.R.C.H.	309 St. Paul St., St. Catharines
BELCOURT, VICTOR P.	18 Rideau St., Ottawa	COLLINS, J. UPPER.	2150 Dorchester Rd., Niagara Falls S.
BELL, JOHN T., B.A.R.C.H.	178 Chedoke Ave., Hamilton	COMBER, SYDNEY.	630 Dorchester St. W., Montreal, Que.
BERRY, T. D.	18 Fourth Ave., Ottawa	CONNOR, J. V.	26 Wright Building, London
BERTON, V. F. R.	Room 936, Hunter Bldg., Ottawa	COON, B. R., B.A.S.C.	4 St. Thomas St., Toronto
BIRD, EUSTACE G., A.R.I.B.A.	571 Huron St., Toronto	CORLEY, FRANK S.	45 Blantyre Ave., Toronto
BISHOP, ROY H.	607 Harbour Commission Bldg., Toronto	COTTON, D. C.	Centre Rd., Port Credit
BLACKWELL, VICTOR J.	284 Dundas St., London	COURTICE, E. D. W., B.A.S.C.	81 Rosslyn Ave. S., Hamilton
BLACKWELL, W. R. L.	Bank of Commerce Bldg., Peterborough	COWAN, DAVID L., B.A.R.C.H.	69 Macdonnell St., Guelph
BLACKWELL, W.	137 Wellington St. W., Toronto	COWAN, FRANK R.	155 College St., Toronto
BLANCHARD, GEORGE.	701 Whalen Bldg., Port Arthur	COWAN, JAMES M.	122 Margueretta St., Toronto
BLYTH, ALEX.	395 Vaughan Road, Toronto	COX, EDWARD M.	303 Cooper St., Ottawa
BODLEY, ALFRED.	John St., Mount Forest	CRAIG, J. H., B.A.S.C.	62 Charles St. E., Toronto
BODLEY, FREDERICK C.	Temple Building, Brantford	CRONE, EDWARD J.	262 Garden Ave., Toronto
BOYDE, JOHN R.	164 McEwan Ave., Windsor	DAoust, J. E. C.	856 Sherbrooke St. E., Montreal, Que.
BRADFIELD, H. HENRY.	Chine Drive, Scarborough Bluffs	DAVENPORT, S. G.	360 St. James St. W., Montreal, Que.
BRAULT, C. GUSTAVE, A.R.I.B.A.	Rm. 926, Hunter Bldg., Ottawa	DAVIDSON, JOCELYN, B.A.S.C.	332 Bloor St. W., Toronto
BRENNAN, J. F., B.A.R.C.H.	61 Dixon Ave., Toronto	DAVIDSON, A. W., B.A.R.C.H.	Brockville
BRIDGMAN, L. G.	311 Royal Bank Chambers, London	DEACON, P. ALAN.	Wilson Ave., Downsview P.O.
BRISLEY, ROSS.	Box 435, New Liskeard	DILLON, BENJAMIN.	43 King St. W., Brockville
BROWN, BENJAMIN, B.A.R.C.H.	600 Bay St., Toronto	DOLPHIN, CHAS.	460 Blythwood Rd., Toronto
BROWN, F. BRUCE, M.A.R.C.H.	2 Bloor St. E., Toronto	DREVER, COLIN.	81 Brock St., Kingston
BROWN, J. FRANCIS.	2 Bloor St. E., Toronto	DUERR, H. G.	1010 Lumsden Bldg., Toronto
BROWN, J. HODGE.	Sun Life Bldg., Montreal, Que.	DYSON, C. E. CYRIL.	155 College St., Toronto
BROWN, MURRAY (F)	627 Confederation Life Bldg., Toronto	EADIE, ARTHUR H.	c/o J. M. Lyle, 250 Bloor St. W., Toronto
BYRDON, ARTHUR M.	62 Duggan Ave., Toronto	EASTON, J. A. G.	37 Wanless Crescent, Toronto
BUCK, CHARLES H.	38 Hunter St., Toronto	EDWARDS-EVANS, J.	409 Walmer Rd., Toronto
BULLER-COLTHURST, G.	21 Equity Chambers, Windsor	EDWARDS, G. R., B.A.S.C.	18 Toronto St., Toronto
BURDEN, H. J., B.A.S.C.	26 Old Forest Hill Rd., Toronto	ELLIOT, J. G.	c/o J. E. Walker, 82 King St. E., Toronto
BURGESS, CECIL.	53 Queen St., Ottawa	ELLIS, BERNARD.	Dundas N., Oakville
BURRITT, C. J. (F)	53 Queen St., Ottawa	ELTON, A. G.	c/o Murray Brown, 627 Confederation Life Bldg., Toronto
BURTON, T. BARNARD.	52 Tison Rd., Toronto	ENGLISH, JAY L.	309 Adelaide St. W., Toronto
BURTON, D. D., B.A.	36 Toronto St., Toronto	ETHERINGTON, F. C.	702 Logan Ave., Toronto
CAMERON, D. J.	Bartlett Bldg., Windsor	EVANS, GLADSTONE.	Sub-Station 98, 3441 Yonge St., Toronto

PROVINCE OF ONTARIO—Continued

EVANS, GEO. T.	914 Pigott Bldg., Hamilton	LITTLE, HAROLD R., B.S.C., ARCH.	1227 University Tower Bldg., Montreal, Que.
EVANS, J.	30 Water St. N., Galt	LONG, HARLE B.	Korman Building, Kirkland Lake
EVANS, WILLIAM G.	235 Hunter St. W., Hamilton	LYLE, JOHN M. (F), F.R.I.B.A., R.C.A.	230 Bloor W., Toronto
EVERETT, ARTHUR J.	Imperial Bank, 51 King St. W., Toronto	MACBETH, ROBT. I.	104 Queen St. S., Catharines
EWART, J. A.	Jackson Bldg., Ottawa	MACDONALD, C. H. L.	36 James St. S., Hamilton
FACEY, A. G.	520 Milverton Blvd., Toronto	MACDONALD, R. H. (F), F.R.I.B.A.	1010 St. Catherine St. W., Montreal, Que.
FAWCETT, W. L., B.A.R.C.H.	Dept. of Public Works, Hunter Bldg., Ottawa	MACKENZIE, J. A.	61 Woodlawn Ave. W., Toronto
FERGUSON, J. A.	Dept. of Public Works, Hunter Bldg., Ottawa	MACKLIN, H. G.	20 Triller Ave., Toronto
FERGUSON, WM. M.	515 Jarvis St., Toronto	MACLAREN, J. P., B.A.	95 Wurtemburg St., Ottawa
FINDLAY, CLAUDE A.	449 Queen St., Niagara Falls	MACLEAN, CLARE G., B.A.R.C.H.	9 Sultan St., Toronto
FINDLAY, JOHN T.	430 Talbot St., St. Thomas	MACNAB, F. J.	1050 Beaver Hall Hill, Montreal, Que.
FISHER, RICHARD A., B.A.R.C.H.	96 Bloor St. W., Toronto	MACRAE, ALEX. G.	170 Courcellette Rd., Toronto
FORBES, NORMAN B., B.A.R.C.H.	174½ Christina St. N., Sarnia	MADILL, H. H., B.A.S.C. (F)	62 Charles St. E., Toronto
FRANKLIN, D. R.	Box 2670, Timmins	MAHONEY, W. A.	79 Quebec St., Guelph, Ont.
FREESTONE, A. J.	155 College St., Toronto	MANN, NORMAN	449 Queen St., Niagara Falls, Ont.
FRYER, S. T. J. (F)	44 Huntley St., Toronto	MARANI, F. H.	46 Bloor St. W., Toronto
FULFORD, H. G.	28 Atlantic Ave., Toronto	MARKUS, I.	74 King St. E., Toronto
FULLER, T. W.	300 Cooper St., Ottawa	MARTIN, ARTHUR N.	59 Ellerslie Ave., Willowdale
GALBRAITH, W. BREDEN	480 Oriole Parkway, Toronto	MARTIN, HARRY D.	48 Rosevear Ave., Toronto
GALLAHER, LOGAN V., B.A.R.C.H.	428 Alfred St., Kingston	MASON, R. E.	Francis Block, Fort William
GARDNER, E. A., B.A.R.C.H., A.R.I.B.A.	53 Queen St., Ottawa	MASSON, GEORGE Y.	Equity Chambers, Windsor
GARLAND, HENRY	75 King St. W., Hamilton	MATHEWS, A. S., B.A.S.C., A.R.C.A.	96 Bloor St. W., Toronto
GEORGE, ALLAN, F.R.I.B.A.	1123 Bay St., Toronto	MATHEWS, P. J.	202 Bingham Ave., Toronto
GEORGE, W. HERBERT	Room 340, Daly Bldg., Ottawa	MATTHEWS, J. H.	c/o Beatty Bros., Limited, Fergus
GILBERT, H. BRYAN	16 Bank of Toronto Bldg., Hamilton	MAW, S. H.	148 Glencairn Ave., Toronto
GILLIES, ARCH., B.A.S.C.	17 Pine St., Timmins	MCBRIDE, T. C., B.A.S.C.	Municipal Offices, London
GILLIES, K. S.	Commissioner of Buildings, City Hall, Toronto	MCDOLEMAN, NEIL	959 Lansdowne Ave., Toronto
GODFREY, W. F. G.	44 Deloraine Ave., Toronto	MCDONNELL, R. E.	501 Lister Bldg., Hamilton
GOODMAN, C. DAVIS, B.A.R.C.H.	1502 St. Catherine St. W., Montreal, Que.	MCELROY, G. A.	729 Riverside Dr., Riverside
GOULINLOCK, G. ROBER, B.A.S.C.	57 Bloor St. W., Toronto	MCGIFFIN, CLARE V.	c/o Ferguson Contracting Co., 17 Queen St. E., Toronto
GOVAN, JAMES	515 Jarvis St., Toronto	MCGIFFIN, R. B.	207 Ellis Ave., Toronto
GRANT, ANDREW	40 College St., Toronto	McKINSTRY, D. G.	Can. Radio Broadcasting Comm'n, Nat. Research Bldg., Ottawa
GREENE, G. E. D., B.A.S.C.	355 St. Clair Ave. W., Toronto	McLAUGHLIN, HENRY M., B.A.R.C.H.	60 Somerset St. W., Ottawa
GREENSIDES, H. C.	283 Winona Drive, Toronto	MCQUIRE, HARRY LINDSAY, B.A.R.C.H.	95 Duncannon Drive, Toronto
GREGG, A. H. (F)	137 Wellington St. W., Toronto	MCRAE, D. G. W., B.A.R.C.H., A.R.I.B.A.	44 Ross Hill Ave., Toronto
GREIG, J. W. D.	c/o Insulations, Ltd., 296 High Holburn, London, W.C.1, Eng.	MENGE, EDWIN A. H.	80 Commissioners St., Toronto
GUINANE, JAMES	2 Toronto St., Toronto	MEREDITH, C. P.	245 Range Rd., Ottawa
HALLIWELL, CHARLES J. A., B.A.R.C.H.	27 Avenue Rd., Toronto	MERRILL, H. W.	Public Works Dept., Hunter Bldg., Ottawa
HACKETT, W. B., Dept. of Public Works, Parliament Bldgs., Toronto		METHVEN, JOHN	92½ King St. W., Chatham
HAFFA, JAMES H.	201 Howland Ave., Toronto	MILLER, W. J.	71 Mutual St., Toronto
HALDENBY, E. W., B.A.S.C.	96 Bloor St. W., Toronto	MILLS, A. K., B.A.R.C.H., A.R.I.B.A.	63 Sparks St., Ottawa
HALL, RAY M.	9 Ainslie St. N., Galt	MITCHELL, JAMES	83 Belsize Dr., Toronto
HALL, R. W., B.A.S.C.	235 Queen St. W., Brampton	MOLESWORTH, GEORGE N.	18 Toronto St., Toronto
HANKS, ROBERT S., B.A.R.C.H.	35 Old Mill Road, Toronto	MOLLARD, W. A., B.A.S.C.	c/o Mathers & Haldenby, 96 Bloor St. W., Toronto
HARRIS, J. E.	447 Main St. E., Hamilton	MOFFAT, ROBERT R., B.S.C., S.B.A.R.C.H.	1207 Bay St., Toronto
HARRISON, F.	1871 Kingston Rd., Toronto	MOFFATT, N. M.	89 Argyle St., Renfrew
HARVEY, WM. M.	Room 1013, 36 James St. S., Hamilton	MONETTE, ANTOINE	60 West St. James St., Montreal, Que.
HAZELGROVE, A. J.	63 Sparks St., Ottawa	MOORE, HAROLD O.	611 Hillsdale Ave. E., Toronto
HEDGES, J. G.	305 Harbour Commission Bldg., Toronto	MOORE, HERBERT E. (F)	375 Bloor St. E., Toronto
HEENEY, ARTHUR, JR.	11 Glendale Ave., Toronto	MOORE, O. ROY	489 Richmond St., London
HEIST, HAROLD A.	548 Aberdeen Ave., Hamilton	MOORHOUSE, W. N., B.A.S.C.	1123 Bay St., Toronto
HELMER, J. BURN, M.A.	P.O. Box 1294, Smith Falls	MORGAN, E. C., M.A.	62 Charles St. E., Toronto
HENDERSON, PETER	5847 Draper Ave., Montreal, Que.	MORGAN, HENRY D. L., B.A.R.C.H.	1207 Bay St., Toronto
HENNIGAR, D. M.	12 Gerrard Ave., London	MORIN, H. J.	45 Rideau St., Ottawa
HENSON, H. G., B.A.R.C.H.	Central Technical School, Toronto	MORRIS, R. SCHOFIELD, B.A.R.C.H.	46 Bloor St. W., Toronto
HESSON, L. A.	309 St. Paul St., St. Catharines	MURHEAD, T. E.	316 St. Germaine Ave., Toronto
HOARE, E. R.	481 Eglinton Ave. W., Toronto	MURRAY, JOHN J.	53 Baillie St., Hamilton
HOARE, J. E.	481 Eglinton Ave. W., Toronto	MURRAY, WM. G.	314 Richmond Bldg., London
HODDER, STAFFORD M., B.A.S.C.	268 River St., Port Arthur	MURTON, HERBERT E.	214 Kent Bldg., Hamilton
HODGES, C. V., B.A.R.C.H., F.R.I.B.A.	Huron & Erie Bldg., Hamilton	NEWLANDS, J. C.	296 Bagot St., Kingston
HOLCOMBE, WM. H.	63 John St. S., Hamilton	NICHOLSON, A. E.	46 Queen St., St. Catharines
HOLDEN, W. F.	City Hall, Toronto	NICHOLSON, R. A. V.	200 Elgin St., Ottawa
HOLE, JOHN	153 Indian Rd., Toronto	NICOL, A. C. B., Dept. of Public Works, Parliament Bldgs., Toronto	
HOLMAN, H. G.	57 Queen St. W., Toronto	NICOLL, JAMES	Dominion Realty Co., 25 King St. W., Toronto
HOLMES, ARTHUR W.	79 St. Joseph St., Toronto	NICOLS, F. W.	Housing Administration, Dept. of Finance, Ottawa
HORNSBY, JOHN T.	332½ George St., Peterborough	NIELSON, GEORGE	205 Snowdon Ave., Toronto
HORSBURGH, V. D., F.R.I.B.A.	31 Colin Ave., Toronto	NOAD, FREDERICK	2 Dault Rd., Toronto
HORWOOD, ALLAN W.	53 Queen St., Ottawa	NOBBS, PERCY E. (F), P.P.R.A.I.C., F.R.I.B.A.	1240 Phillips Square, Montreal
HORWOOD, ERIC C., B.A.R.C.H.	229 Yonge St., Toronto	NOFFKE, W. E. (F)	46 Elgin St., Ottawa
HORWOOD, E. L. (F), A.R.C.A.	53 Queen St., Ottawa	NOXON, KENNETH F., B.A.S.C., M.A.	921 Yonge St., Toronto
HORWOOD, J. C. B.	229 Yonge St., Toronto	O'GORMAN, P. J.	4 Durham St., Sudbury
HOUNSON, ERIC W.	195 Grace St., Toronto	ORR, R. GUERNEY	Dept. of Indian Affairs, Ottawa
HOWLAND, W. F.	30 Bloor St. E., Toronto	OWEN, JOHN	12 Findlay Ave., Ottawa
HUGHES, H. G., B.A.R.C.H., A.R.I.B.A.	46 Elgin St., Ottawa	OXLEY, J. MORROW	372 Bay St., Toronto
HUNTER, SAXON H.	Room 32, 25 Melinda St., Toronto	PAGE, FORSEY	20 St. Clair Ave. W., Toronto
HUSBAND, L. B., B.A.R.C.H.	414 Birks Bldg., Hamilton	PAINE, A. J. C., B.A.R.C.H.	Sun Life Bldg., Montreal, Que.
HUTTON, GORDON J.	914 Pigott Bldg., Hamilton	PARROTT, J. A.	325 Kingswood Rd., Toronto
HYNES, J. P. (F) P.P.R.A.I.C.	74 King St. E., Toronto	PARRY, B. EVAN (F)	137 Wellington St. W., Toronto
HYSLOP, KIRK	10 Sparkhall Ave., Toronto	PATERSON, JOHN	1195 King St., Preston
ILLSLEY, H. P., A.R.I.B.A.	1610 Sherbrooke St. W., Montreal, Que.	PATON, A. F.	45 Gifford St., Toronto
IRWIN, NORMAN L.	35 Old Mill Rd., Toronto	PAVEY, W. STUART	424 Wellington St., London
JESSOP, EDWARD	Dominion Realty Co., 25 King St. W., Toronto	PEARSE, W. W., B.S.C.	71 Dewson St., Toronto
JONES, B. A.	31 Ontario St. S., Kitchener	PEARSON, JOHN A., D.A.R.C.H. (F), F.R.I.B.A., R.C.A.	120 Forest Hill Rd., Toronto
KAMINKER, B., B.A.R.C.H.	P.O. Box 800, Timmins	PEENE, DAVID D., B.A.S.C.	139 Havelock St., Toronto
KAPLAN, HAROLD S.	305 Dundas St. W., Toronto	PENNINGTON, S. H., A.R.I.B.A.	Dominion Realty Co., 25 King St. W., Toronto
KEARNS, NORMAN A.	41 Temple Bldg., Welland	PENNINGTON, J. C.	209 Wyandotte St. E., Windsor
KENT, H. HAROLD	5 Talbot Rd., Northmount P.O.	PHILIP, J. M.	Dept. of Public Works, Parliament Bldgs., Toronto
KERTLAND, D. E.	34 Summerhill Gardens, Toronto	PIERSOL, GEO. H., B.A.R.C.H.	9 Elm St., Toronto
KERTLAND, S. W.	34 Summerhill Gardens, Toronto	POKORNY, GEORGE, K., B.A.	c/o Chapman & Oxley, 372 Bay St., Toronto
KING, CECIL C.	372 Bay St., Toronto	POMFREY, T. C.	59 Tranby Ave., Toronto
KING, GEO. W.	Box 92, Fort Erie	PORTE, F. STEWART	37 Bloor St. W., Toronto
KINSMAN, W. R., c/o Allward & Gouinlock, 57 Bloor St. W., Toronto		POULIN, J. AIME	49 King St. W., Sherbrooke, Que.
KITCHEN, JOHN M.	City Hall, Ottawa	PRACK, ALVIN R., B.A.R.C.H.	Pigott Bldg., Hamilton
KLEIN, D. V.	Harbour Commission Bldg., Toronto	PRACK, FRED	56 James St. South, Hamilton
KLEIN, MAURICE D.	71 King St. W., Toronto	PRITCHARD, GORDON B., B.A.R.C.H.	North American Life Assurance Co., Toronto
KOHN, SAMUEL	Bank of Toronto Chambers, London	PUTTOCK, V. O.	50 McKenzie Cres., Toronto
KYLES, J. D.	78 Ontario Ave., Hamilton	RALSTON, W.	16 Rowanwood Ave., Toronto
LABELLE, HENRI S., B.A.R.C.H. (F)	620 Cathcart St., Montreal, Que.	RANKIN, THOS. D.	7 Maxwell Ave., Toronto
LAIRD, MISS E. L.	168 Murray St., Brantford	RATCLIFFE, WALTER H.	30 Aberdeen St., Kingston
LANGLEY, CHARLES E., B.A.R.C.H.	30 Bloor St. E., Toronto	RAYMORE, W. G., B.A.R.C.H.	Danforth Technical School, Toronto
LANGLEY, J. B., B.A.R.C.H.	230 Bloor St. W., Toronto	RENNER, MORGAN M.	Jordan Station
LA RUE, J. ALBERT	5711 Durocher Ave., Montreal	REYNOLDS, A. W.	67 Glen Ave., Ottawa
LAWSON, HAROLD	1227 University Tower Bldg., Montreal, Que.	RICHARDS, H. A., B.A.R.C.H.	55 Metcalfe St., Ottawa
LAWSON, J. IRVING	46 Bloor St. W., Toronto	RICHARDSON, G. B.	75 Binsearch Rd., Toronto
LEBLANC, L.	Room 40, 45 Rideau St., Ottawa	RICHMOND, E. I., B.A.R.C.H.	455 Spadina Ave., Toronto
LEFORT, J. S.	84 College Ave., Ottawa	RIDDELL, W. B.	510 Imperial Bldg., Hamilton
LEIGH, E. A.	82 Bloor St. W., Toronto		
LEIGHTON, J. W.	489 Richmond St., London		
LELEU, F. H.	511 Pigott Building, Hamilton		
LENNOX, E. E.	72 Queen St. W., Toronto		
LENZ, CHARLES, B.A.R.C.H.	49 Charlton Ave. E., Hamilton		
LINDSAY, HAROLD	515 Jarvis St., Toronto		
LINDSAY, P. WHITE	28 William St., Weston		
LITHGOW, G. F.	Room 439, Union Station, Toronto		

PROVINCE OF ONTARIO—Continued

RIDDLE, GEORGE KENNETH 26 Wright Building, London
 ROBERTS, A. EDWARD 121 Hazelton Ave., Toronto
 ROBERTS, H. C. 335 Jarvis St., Toronto
 ROBERTS, REG. J. 206 Glenview Ave., Toronto
 ROBERTSON, HUGH D., B.A.R.C.H., A.R.I.B.A. 46 Herkimer St., Hamilton
 ROBERTSON, J. A.
 c/o Marani, Lawson & Morris, 46 Bloor St. West., Toronto
 ROBINSON, N. B. 155 College St., Toronto
 ROGERS, ARTHUR EDWARD
 Room 325, Confederation Life Building, Toronto
 ROLPH, ERNEST R. (F), F.R.I.B.A., A.R.C.A. 1162 Bay St., Toronto
 ROPER, JOHN B., B.A.R.C.H. 75 Sparks St., Ottawa
 ROSS, GEORGE A. (F), F.R.I.B.A.
 1010 St. Catherine St. W., Montreal, Que.
 ROSS, JOHN 192 Mortimer Ave., Toronto
 ROULEAU, L. Room 872, Hunter Building, Ottawa
 RYRIE, JACK, M.A.R.C.H. 6 Hayden St., Toronto
 SALISBURY, A. E. 14 Carlton St., Toronto
 SALISBURY, H. G. 17 Bowden Ave., Toronto
 SANGSTER, WM. 56 Firstbrook Rd., Toronto
 SARRA-BOURNET, LUCIEN, B.A.A. 163 Main St., Hull, Que.
 SAUNDERS, DYCE C., A.R.I.B.A. 6 Hayden St., Toronto
 SAUNDERS, F. F. 116 Concord Ave., Toronto
 SAUNDERS, IRVING M., B.A.R.C.H. 5 Northcliffe Blvd., Toronto
 SAVAGE, HAROLD 18 Toronto St., Toronto
 SCHOALES, ROBT. D. 40 Greenlaw Ave., Toronto
 SCHMALZ, W. H. E. 129 King St. W., Kitchener
 SCOTT, HARRY M. 200 Cuthbertson Bldg., Ft. William
 SCOTT, WALTER 404 Birks Bldg., Hamilton
 SCREATON, GORDON S. 359 Spadina Rd., Toronto
 SCULLAND, J. R. 78 Sparks St., Ottawa
 SECORD, H. F. 18 Toronto St., Toronto
 SHAYER, WILFRID T. 62 Charles St. E., Toronto
 SHAW, WALTER H. 21 Oakmount Rd., Toronto
 SHEPHERD, W. F., Dept. of Public Works, Parliament Bldgs., Toronto
 SHEPPARD, EARLE L. 57 Queen St. W., Toronto
 SHEPPARD, HUGH P. 26 Equity Chambers, Windsor
 SHERRIFF, R. W. 3 Macaulay Ave., Toronto
 SHORE, L. E., B.A.R.C.H. 50 Bloor St. W., Toronto
 SIDDALL, J. W. 137 Alcorn Ave., Toronto
 SILVER, LOUIS J., B.A.R.C.H. 353 Bathurst St., Toronto
 SINCLAIR, S. K., B.A.R.C.H. 17 Chesterhill Rd., Toronto
 SMITH, CHARLES WELLINGTON 602 Jane St., West, Toronto
 SMITH, DAVID E., c/o Mathers & Haldenby, 96 Bloor St. W., Toronto
 SMITH, HAROLD J. 62 Charles St. E., Toronto
 SMITH, HARRY P., B.A.R.C.H. 126 Pine St., Brockville
 SMITH, SANDFORD F. 25 Melinda St., Toronto
 SMITH, WILFRED F. 222 King St., Midland
 SMYTH, A. R., B.A.R.C.H. 47 Pinewood Ave., Toronto
 SOMERVILLE, W. L. (F), F.R.I.B.A., A.R.C.A. 30 Bloor St. W., Toronto
 SOUTER, WILLIAM R. 914 Pigott Building, Hamilton
 SPARLING, WILLIAM F. 50 Wellington St. W., Toronto
 SPRACHMAN, A. 305 Dundas St. W., Toronto
 SPROGATT, C. B., B.A.R.C.H. 1162 Bay St., Toronto
 SPROULE, W. C. 409 Eglinton Ave. W., Toronto
 STANFORD, LEO HUNT 57 Queen St. W., Toronto
 STEELE, HARLAND, B.A.R.C.H. 20 St. Clair Ave. W., Toronto
 STENHOUSE, C. C. 12½ Simcoe South, Oshawa
 STEWART, H. C. Bank of Nova Scotia, 38 Melinda St., Toronto
 YOUNG, N. L.

STIBBARD, R. FRANKLIN P.O. Box 1691, Timmins
 STRINGER, ARCHIBALD J. 101 McLean Ave., Toronto
 SUTHERLAND, CHAS. D., Dept. of Public Works, Hunter Bldg., Ottawa
 SUTHERLAND, WM. Metropolitan Stores, 136 Dundas St., London
 SWARTZ, B. 139 Queen St. W., Toronto
 SYLVESTER, W. C. 46 Elgin St., Ottawa
 TAYLOR, ALLEN M. 297 Riverside Dr., Toronto
 TAYLOR, C. M., B.A.R.C.H., A.R.I.B.A. 31 Regent St., Ottawa
 TAYLOR, L. FENNINGS 53 Queen St., Ottawa
 TEETER, GEO. G. 509 Lombard Bldg., Winnipeg
 TEMPLE, ERIC E., A.R.I.B.A. Hunter Bldg., Ottawa
 TEMPLIN, B. P., B.S.C. 129 King St. W., Kitchener
 THATCHER, JOSEPH A. 37 Cowan Ave., Toronto
 THETFORD, CLARENCE 28 Tyndall Ave., Toronto
 THOMSON, JAMES Confederation Life Bldg., Toronto
 THOMSON, J. ARNOLD 93 Dundas St. E., Belleville
 THOMSON, J. P. 1191 Windermere Rd., Windsor
 THOMPSON, CLARE P., B.A.R.C.H. 65 Bloor St. W., Toronto
 TRACE, J. E. Equity Chambers, Windsor
 TURNBULL, W. A., B.A.S.C. 38 Dufferin Ave., Brantford
 URE, JAMES G. Bala
 VANCE, JAS. 129 Sprucehill Road, Toronto
 VAN RAALTE, S. c/o Horwood & White, 229 Yonge St., Toronto
 VINE, A. E. 182 Humewood Drive, Toronto
 WALKER, J. E. 82 King St. E., Toronto
 WALLACE, ANDREW 306 Silverbirch Ave., Toronto
 WALLACE, J. P. Supertest Petroleum Corporation, Ltd., London
 WALSH, W. J. Terminal Building, Hamilton
 WARREN, F. W. 66 King St. E., Hamilton
 WATERS, MACKENZIE, B.A.S.C. 96 Bloor St. W., Toronto
 WATSON, A. E. 57 Chaplin Crescent, Toronto
 WATSON, W. A., M.A.R.C.H. 28 Bridge St. E., Belleville
 WATT, J. M. 284 Dundas St., London
 WEBB, W. R. 7 Cavell Ave., Toronto
 WEEKS, W. W. 94 Homewood Ave., Apt. No. 33, Toronto
 WELLS, T. HUGHES, B.A.R.C.H. 29 George St., Waterloo
 WEST, G. M. (F), P.P.R.A.I.C., F.R.I.B.A. 43 Victoria St., Toronto
 WHITE, GEO. Dept. of Public Works, Parliament Bldgs., Toronto
 WILEY, THOMAS H. 186 St. Paul St., St. Catharines
 WILKES, F. HILTON, B.A.R.C.H., A.R.I.B.A. 96 Bloor St. W., Toronto
 WILKS, THOMAS R. 553 Queen St. E., Sault Ste. Marie
 WILLIAMS, F. A. 76 Adelaide St. W., Toronto
 WILLIAMS, G. N., Dept. of Public Works, Parliament Bldgs., Toronto
 WILLMOTT, CHARLES M. 22 Glen Grove Ave. E., Toronto
 WILLIS, JOHN A. 549 Victoria Ave., Windsor
 WILSON, ABE 18 Grenville St., Toronto
 WILSON, E. G. 42 Langley Ave., Toronto
 WILSON, J. D. 133 Castlefield Ave., Toronto
 WILSON, JOHN P.O. Box 81, Collingwood
 WILSON, W. M. 20 Henry St., St. Catharines
 WINTER, R. P.O. Box 488, Toronto
 WITMER, H. E. 41 Gainsborough Rd., Toronto
 WITTON, W. P. 63 John St. S., Hamilton
 WOODBURN, ASHLEY 37 Silverbirch Ave., Toronto
 WOODS, CHESTER C. 412 Briar Hill Ave., Toronto
 WOOLSON, J. M., B.A.R.C.H. Box 653, Kirkland Lake
 WORKMAN, WILBURN 311 Second St. E., Cornwall
 WRIGHT, B. H., B.A.S.C. 96 Bloor St. W., Toronto
 WRIGHT, PERCY R. 31 High Park Ave., Toronto

ASSOCIATE

BLACKWELL, WILLIAM Bank of Commerce Bldg., Peterborough
 SMITH, HARRY P., B.A.R.C.H. 126 Pine St., Brockville

PROVINCE OF QUEBEC

COUNCIL

President—H. L. FETHERSTONHAUGH
 1st Vice-President—S. SIMÉON BERGERON
 2nd Vice-President—R. H. MACDONALD (F)
 Honorary Secretary—MAURICE PAYETTE, 627 Dorchester St. W., Montreal
 Honorary Treasurer—J. J. PERRAULT
 Councillors—P. C. AMOS, R. E. BOSTROM, SYDNEY COMBER, CHARLES DAVID (F), HENRI S. LABELLE (F), LUCIEN LEMIEUX,
 A. J. C. PAINE, P. ROY WILSON, OSCAR BEAULE, AND GABRIEL DESMEULES

HONORARY MEMBERS

THE LIEUTENANT-GOVERNOR OF THE PROVINCE Quebec, P.Q.
 THE PRIME MINISTER OF THE PROVINCE Quebec, P.Q.
 THE MINISTER OF PUBLIC WORKS OF THE PROVINCE Quebec, P.Q.
 THE MAYOR OF THE CITY OF MONTREAL City Hall, Montreal
 THE MAYOR OF THE CITY OF QUEBEC City Hall, Quebec
 DAVID, HON. ATHANASE Secretary of the Province, Quebec
 VAUTRIN, IRENEE, F.R.I.B.A. 100 Notre Dame St. E., Montreal

MEMBERS

ADAMS, H. A. 1700 McGregor Ave., Montreal
 ALLEN, NEWSTEAD A., MUS. BAC., A.R.I.B.A.
 79 Columbia Ave., Westmount
 AMOS, L. A. (F), F.R.I.B.A., M.E.I.C. 1414 Crescent St., Montreal
 AMOS, P. C., B.A.R.C.H., A.R.I.B.A. 1414 Crescent St., Montreal
 AMYOT, GASTON, A.D.B.A. 126, rue St-Pierre, Québec
 ARCHIBALD, IAN T., B.A.R.C.H. 1440 St. Catherine St. W., Montreal
 ASSELIN, U. J. (F) 1430, rue Bleury, Montréal
 AUDET, L. N. 32, rue Wellington Nord, Sherbrooke
 AUGER, LORENZO Rimouski, Qué.
 AULD, GEO. E., B.A.R.C.H. 1050 Beaver Hall Hill, Montreal
 BANNON, LUCAS E., A.I.A. 16 Church St., Paterson, N.J.
 BAROTT, E. L. D.F.A. (F), F.R.I.B.A., A.R.C.A. 606 Cathcart St., Montreal
 BASTIEN, J. PAUL 308 est, rue Ste-Catherine, Montréal
 BEAUCHAMP, J. N. 82 ouest, rue Notre-Dame, Montréal
 BEAUDRY, ROMEO, B.A.A. 3465 Decarie Blvd. Montréal
 BEAUGRAND-CHAMPAGNE, PROF A., B.A.A.
 345, ave Bloomfield, Outremont
 BEAULE, OSCAR 21, rue d'Aiguillon, Québec
 BEAULIEU, LEOPOLD, A.D.B.A. 517, blvd St-Laurent, Montréal
 BEAUPRE, DONAT 8227, rue St-Hubert, Montréal
 BELANGER, ALPHONSE, A.D.B.A. 53 Wellington Nord, Sherbrooke
 BELANGER, YVES, A.D.B.A. 3240 ave Maplewood, appt. 24
 BELCOURT, VICTOR P., A.D.B.A. 18, Rideau, Ottawa
 BENOIT, J. E. A. 34 St-Georges, St-Jean, Qué.
 BENOIT, U. T. 31 ouest, rue St-Jacques, Montréal
 BERGER, IRVIN J., B.A.R.C.H. 44 East, 53rd St., New York
 BERGERON, J. SIMÉON 145, rue St-Jean, Québec
 BERNIER, J. ALBERT 354 est, Ste-Catherine, Montréal
 BERNSTEIN, ALAN, B.A.R.C.H. 1430 Bleury St., Montréal
 BETTS, RANDOLPH C., B.A.R.C.H., A.R.I.B.A.
 2175 Prudhomme Ave., Montreal
 BIGONNESSE, J. A. 126, rue St-Pierre, Québec
 BLACHE, GEORGES, A.D.B.A. 6 Dauphine, Apt. 10, Québec
 BLANCHET, RENE, A.D.B.A. 26, rue St-Amable, Québec
 BOISCLAIR, PAUL, A.R.I.B.A. 5272, ave Musset, N.D.G.
 BOLTON, RICHARD E., B.S.C. 1178 Phillips Place, Montreal
 BOOTH, L. N., B.A.R.C.H., A.R.I.B.A.
 Room 223, 5726 Sherbrooke St. W., Montreal
 BOSTROM, R. E. 660 St. Catherine St. W., Montreal
 BOUCHARD, J. E., B.A.A. Appt. 6, 1656 est. blvd St-Joseph, Montréal
 BOUCHARD, MAURICE, A.D.B.A. 126, St-Pierre, Québec
 BOULLON, E. LINDEN, A.R.I.B.A. Paspébiac, P.Q.
 BRAIS, SIMÉON 308 est, rue Ste-Catherine, Montréal
 BRASSARD, SYLVIO, B.A., A.D.B.A. 39, ave. Moncton, Québec
 BRISLEY, ROSS New Liskeard, Ont.
 BROWN, D. R., P.P.R.A.I.C., F.R.I.B.A.
 1010 St. Catherine St. W., Montreal
 BUNTING, SIDNEY S., B.A.R.C.H. 4940 Côte des Neiges Rd., Montreal
 CALAME, HENRI St-Eustache-sur-le-Lac, P.Q.
 CARON, G. F., A.D.B.A. 88, Côte de la Montagne, Québec
 CARON, J. H. Nicolet, Que.
 CARON, JULES 300, rue Bonaventure, Trois-Rivières, P.Q.
 CARON, J. W. 2, rue St-Thomas, Longueuil
 CARTIER, J. A. E. 11742, Bois de Boulogne, Montréal
 CHAMPAGNE, ALFRED (F), F.R.I.B.A. 372 Bay St., Toronto
 CHAMPAGNE, MAURICE C. P. 29, Lachute Mills, Qué.
 CHARBONNEAU, GERARD, A.D.B.A. 360, Parc G.-E. Cartier, Montréal
 CHARBONNEAU, RENE 360, Parc G.-E. Cartier, Montréal
 CHASSE, ALCIDE (F), F.R.I.B.A. 706, rue St-Gabriel, Montréal
 CHENEVERT, RAOUL 50, Côte du Palais, Québec
 CHIPMAN, N. I., B.A.R.C.H., A.R.I.B.A. 1474 Drummond St., Montreal
 COLANGELO, PATSY, A.D.B.A. 1540, rue Stanley, Montréal
 COMBER, SYDNEY 630 Dorchester St. W., Montreal

PROVINCE OF QUEBEC—Continued

CONSIGLIO, FRANCO, B.A.R.C.H. 68 Stratford Rd., Hampstead, Montréal
 COPENMAN, COLIN H., B.A.R.C.H. 211 Canada Cement Bldg., Montréal
 CORBEIL, L. E., A.D.B.A. Hunter Bldg., Chief Architect Branch, Ottawa
 CORMIER, ERNEST, B.S.C.A. (F), F.R.I.B.A., D.P.L.G.F., R.C.A. 2039, rue Mansfield, Montréal
 CORMIER, MAURICE, B.A.A. 2039, rue Mansfield, Montréal
 COTE, CLAUDE, O.S.B., A.D.B.A. RR.P.P. Bénédictins, B.P. Bolton Centre, P.Q. St-Hyacinthe, P.Q.
 COTE, GASTON 1198 Chemin Ste-Foye, Québec
 COTE, PHILIPPE, A.D.B.A. 95, ave Bellwood, Ottawa
 COURCHESNE, EDGAR, B.A. 4674, rue Resther, Montréal
 COURVAL, E. P. J. 11 Ingleside Ave., Westmount
 COX, E. C. 2116, rue Clarke, Montréal
 CREVIER, JEAN, A.D.B.A. 3641 Oxenden Ave., Montréal
 CRIGHTON, DANIEL J. 1178 Phillips Place, Montréal
 CROWE, G. K., B.A.R.C.H., A.R.I.B.A. 4395, rue St-André, Montréal
 CYR, S. A., A.M.E.I.C. 820, rue Cherrier, Montréal
 DAoust, EMILE, A.D.B.A. 856 est, rue Sherbrooke, Montréal
 DAoust, J. E. C. 4400 Mariette Ave., Montréal
 DARBYSOON, ALLEN B., B.A.R.C.H. 360 St. James St. W., Montréal
 DAVENPORT, S. G. 1440 ouest, rue Ste-Catherine, Montréal
 DAVID, CHARLES, B.A.A. (F) 647 Belmont St., Montréal
 DAVIS, HUNTLY WARD 442 Canada Cement Bldg., Montréal
 DEBELLE, WM. GEORGE, A.D.B.A. 16, rue des Grisons, Québec
 DECARY, A. R., D.S.C. (F) 1310, rue Maisonneuve, Montréal
 DECARY, L. J. T. 1391, rue Royale, Trois-Rivières, P.Q.
 DENONCOURT, ERNEST L., B.A.A. 2, ave St-Georges, Chicoutimi
 DESGAGNE, LEONCE, A.D.B.A. Deshaies, David, A.D.B.A. Nicolet, Que.
 DESHAIES, DAVID, A.D.B.A. 226, rue St-Jean, Québec
 DESMEULES, GABRIEL, A.D.B.A. 6664, rue St-Denis, Montréal
 DESPATE, J. O., B.A.R.C.H. Architects' Brch., Hunter Bldg., Ottawa
 DESROSIERS, HUGHES 290 Outremont Ave., Outremont, Que.
 DESTROISMAISONS, MAURICE, A.D.B.A. 411, blvd. Gouin est, Montréal
 DEVITT, HAROLD E., B.A.R.C.H. 2037 Victoria St., Montréal
 DORAN, H. J., B.A.R.C.H., A.R.I.B.A. 1396 St-Catherine W., Montréal
 DOUCET, E. A. 263 est, rue Ste-Catherine, Montréal
 DOUGLAS, C. L. 1192 University St., Montréal
 DROLET, J. ANDRE, A.D.B.A. 21 Ste-Thérèse, Québec
 DRUMMOND, GEO. F. 355 McGill St., Montréal
 DUFRESNE, ADRIEN, A.D.B.A. 143, avenue Royale, Beauport, P.Q.
 DUFRESNE, MARIUS 436, avenue Pic IX, Montréal
 DUMAIS, ROLAND, A.D.B.A. 3440, rue Iberville, Montréal
 DUMFRIES, FREDERICK 10 St. James St. E., Montréal
 DURNFORD, A. T. G., B.A.R.C.H., A.R.I.B.A. 660 St. Catherine St. W., Montréal
 DUSSAULT, J. P. E. 85, avenue Casot, Québec
 DUTRISAC, ARMAND, A.D.B.A. 835, rue du Convent, Montréal
 ELIASOPH, MILTON, B.A.R.C.H. 1405 Bleury St., Montréal
 FELLOWES, NORTON, A., B.A.R.C.H., A.R.I.B.A. 1178 Phillips Place, Montréal
 FETHERSTONHAUGH, H. L., B.A.R.C.H., F.R.I.B.A. 660 St. Catherine St. W., Montréal
 FINDLAY, FRANK R. 1188 Phillips Place, Montréal
 FINDLAY, ROBERT 1188 Phillips Place, Montréal
 FISH, JOHN, A.R.I.B.A. 3540 Durocher St., Montréal
 FONTAINE, LEOPOLD, A.D.B.A. Bureau des Architectes, Hôtel du Gouvernement, Québec
 FORBES, A. B., A.R.I.B.A. 4660 Grosvenor Ave., Westmount
 FORTIN, J. E. 1221, rue Osborne, Montréal
 FOSTER, FRANK R., A.R.I.B.A. 464 St. Francis Xavier St., Montréal
 FRAPPIER, S. 5410, avenue du Parc, Montréal
 FURUIS, L. P., B.A.R.C.H. 355, rue McGill, Montréal
 GADBOIS, J. R. 4200 ouest, rue Sherbrooke, Montréal
 GAGNIER, GASTON, A.D.B.A. 308 est, rue Ste-Catherine, Montréal
 GAGNON, J. BERCHMANS, A.D.B.A. 290, rue Notre-Dame, Ste-Marie de Beauce, P.Q.
 GAGNON, WILLFORD A. 2039, rue Mansfield, Montréal
 GARDINER, J. RAWSON 4132 Dorchester St. W., Montréal
 GARDNER, E. A. 52 Queen St., Ottawa
 GARIÉPY, J. RAUL 29 est, rue St-Jacques, Montréal
 GASCON, D. A. 934 est, rue Ste-Catherine, Montréal
 GAULIN, J. F. 828 est, rue Mont-Royal, Montréal
 GAUTHIER, ALBERT, A.D.B.A. 8203, rue de Gaspé, Montréal
 GAUTHIER, J. Z. 2602, rue Soissons, Montréal
 GERMAIN, MAURICE, A.D.B.A. 754 ouest, rue Notre-Dame, Montréal
 GOODMAN, C. DAVIS, B.A.R.C.H. 1502 St. Catherine St. W., Montréal
 GORDON, DONALD M., A.R.I.B.A. 2049 McGill College Ave., Montréal
 GRAVEL, ANASTASE 267, blvd. Desmarchais, Montréal
 GRAVEL, ARMAND rue Racine, Chicoutimi
 GRAVES, F. W. Experimental Farms Brch., Ottawa
 GREENSPOON, E. HENRY, B.A., B.A.R.C.H. 1403 Bleury St., Montréal
 GREGOIRE, J. W. 86, rue Wellington Nord, Sherbrooke, P.Q.
 GRENIER, CHARLES 1059, ave. Girouard, Montréal
 GRISE, J. ARTHUR 112, rue St-Jacques, Montréal
 HAWKINS, STUART S., B.A.R.C.H. 3556 Hutchison St., Montréal
 HAZELGROVE, A. J. Hope Chambers, Sparks St., Ottawa
 HENDERSON, PETER 3847 Draper Ave., Montréal
 HEUGHAN, R. G. 12th floor, 1010 St. Catherine St. W., Montréal
 HORWOOD, ALLAN W. 53 Queen St., Ottawa
 HOULE, J. A. S. 2007, rue Bleury, Montréal
 HUGHES, H. GORDON, A.R.I.B.A. 46 Elgin St., Ottawa, Ont.
 HUOT, J. E. 298 ouest, rue Sherbrooke, Montréal
 HYDE, GEO. T., S.B., B.S.C., F.R.I.B.A. 1240 Phillips Square, Montréal
 ILLSLEY, H. P., A.R.I.B.A. 1440 St. Catherine St. W., Montréal
 JAMES, H. G. P. O. Box 356, Sherbrooke, P.Q.
 JEAN, CHS. A., A.D.B.A., F.R.I.B.A. 2, Côte d'Abraham, Québec
 JONES, HUGH G., R.C.A., F.R.I.B.A. Apt. 117, 1227 Sherbrooke St. W., Montréal
 JULIEN, HENRI 3713, rue Berri, Montréal
 KALMAN, M. M., B.A.R.C.H. 630 Dorchester St. W., Montréal
 KARCH, J. A. (F), F.I.A.A. 152 est, rue N-Dame, Montréal
 KENNEDY, JAMES 452 Grosvenor Ave., Westmount
 KEROACK, LUCIEN F. 857, rue Cherrier, Montréal
 KUGEL, J. J., B.A.R.C.H. 1472 McKay St., Montréal
 LABELLE, HENRI S., B.A.R.C.H. (F), Sec. hon. C.P.I.A. 3 Kelvin Ave., Outremont, Que.
 LACROIX, WILFRID (F) 132, rue St-Pierre, Québec
 LAFLEUR, J. M., A.D.B.A. C. P. 159, Valleyfield, P.Q.
 LAFOND, CHS. Bureau des Evalueurs, Trois-Rivières, P.Q.
 LAJOIE, RODOLPHE, A.D.B.A. 2010, rue Mansfield, Montréal
 LALIBERTE, J. E. 181 est, blvd Gouin, Montréal
 LAMBERT, PAUL, A.D.B.A. 7826 Henri Julien, Montréal
 LAMONTAGNE, ALFRED rue Racine, Chicoutimi

LAPOINTE, PAUL-HENRI, A.D.B.A. 2010, rue Mansfield, Montréal
 LAROSE, EUGENE, B.A.A. 1480 est, blvd. St-Joseph, Montréal
 LARUE, J. ALBERT 5711, avenue Durocher, Montréal
 LASCELLES, J. H. 10753, rue Berri, Montréal
 LAWSON, HAROLD Room 1227, 660 St. Catherine St. W., Montréal
 LEBLANC, LUCIEN Ch. 910, 1253, avenue McGill College, Montréal
 LEFORT, JEAN SERGE, A.D.B.A. 84 College Avenue, Ottawa
 LEGER, GERALD, A.D.B.A. 10 ouest, rue St-Jacques, Montréal
 LEMAY, CHS-AUGUSTE Giffard, P.Q.
 LEMIEUX, LUCIEN, A.D.B.A. 759a Champagneur, Montréal
 LEMIEUX, LUDGER 1260, rue Université, Montréal
 LEMIEUX, PAUL M., D.P.L.G.F. 1260, rue Université, Montréal
 LEONARD, J. ALEX 4305, rue Christophe Colomb, Montréal
 LEVESQUE, PIERRE 115, rue St-Jean, Québec
 LITTLE, H. B., B.A.R.C.H. 1405 Bishop St., Montréal
 LITTLE, H. R., B.S.C., ARCH. Room 1227, 660 St. Catherine St. W., Montréal
 LONG, HARLE B. P.O. Box 54, Kirkland Lake, Ont.
 LOUIS, MAX, A., B.A.R.C.H. 1455 Drummond St., Montréal
 LUKE, MORLEY C., B.A.R.C.H. 1405 Bishop St., Montréal
 LYMAN, W. K. GORDON, B.A.R.C.H. 2058 Victoria St., Montréal
 MACDONALD, R. H. (F), F.R.I.B.A. 12th floor, 1010 St. Catherine St. W., Montréal
 MACDUFF, ALBERT S., B.A.R.C.H., A.R.I.B.A. P.O. Box 114, Val d'Or, Que.
 MACE, T. H., A.R.I.B.A. 660 St. Catherine St. W., Montréal
 MACFARLANE, DAVID H., A.R.C.A. Mont St-Hilaire, P.Q.
 MACNAB, F. J., A.R.I.B.A. 1050 Beaver Hall Hill, Montréal
 MAINGUY, LUCIEN, A.D.B.A. 19 1/2, rue St-Réal, Québec
 MAINGUY, MAURICE, A.D.B.A. 29, rue Berthelot, Québec
 MARCHAND, BLAISE, A.D.B.A. Chateauquay Bassin, P.Q.
 MARROTE, EDGAR S., A.R.I.B.A. 1190 University St., Montréal
 MARSHALL, L. E., B.A.R.C.H. 29 Lake Ave., Stratmore, Que.
 MARTINEAU, AUGUSTE, A.D.B.A. 54, rue Ste-Ursule, Québec
 MATHIEU, PAUL-E., A.D.B.A. 59, ave Moncton, Québec
 MAXWELL, H. STERLING, A.R.I.B.A. 119 St. James St. W., Montréal
 MAXWELL, W. S. (F), P.P.R.A.I.C., F.R.I.B.A., R.C.A. 1158 Beaver Hall Sq., Montréal
 MAYEROVITCH, HARRY, B.A.R.C.H. 1430 Bleury St., Montréal
 MCDUGALL, J. CECIL, B.A.R.C.H., B.S.C. (F), F.R.I.B.A. 1221 Osborne St., Montréal
 McLAREN, T. 1096 Beaver Hall Hill, Montréal
 MEADOWCROFT, J. C. 1154 Beaver Hall Sq., Montréal
 MENDELSSOHN, M. J., B.A.R.C.H. 1454 St. Catherine St. W., Montréal
 MERCIER, GERARD, A.D.B.A. 1656 est, rue Ste-Catherine, Montréal
 MERCIER, HENRI, A.D.B.A. 152-B, rue Notre Dame, Lachine
 MERCURE, ALBERT 4709, rue Christophe Colomb, Montréal
 MERRETT, J. C., B.A.R.C.H. 3200 Westmount Blvd., Westmount
 MILLER, E. C. R. 420, 410 St. Nicholas St., Montréal
 MILLER, J. MELVILLE, R.C.A. 652 N-Dame W., Montréal
 MOIR, DAVID, J., A.R.I.B.A. 1240 Phillips Square, Montréal
 MONETTE, ANTOINE, D.P.L.G.F. 60 ouest, rue St-Jacques, Montréal
 MONETTE, G. A. 60 ouest, rue St-Jacques, Montréal
 MONTGOMERY, ROBERT A., B.A.R.C.H. 3429 Peel St., Montréal
 MORIN, HENRY J. 75 Sparks St., Ottawa, Ont.
 MORIN, CONRAD Casier Postal 69, St-Hyacinthe, Qué.
 MORISSETTE, J. A. 21, rue d'Aiguillon, Québec
 MOSELEY, G. NORMAN 4585 Sherbrooke St. W., Montréal
 NESBITT, J. K., A.R.I.B.A. La Tuque, P.Q.
 NICOLAS, LOUIS 2059, rue St-André, Montréal
 NOBBS, P. E., M.A. (F), P.P.R.A.I.C., F.R.I.B.A., R.C.A. 1240 Phillips Square, Montréal
 NOFFKE, W. E. (F) 46 Elgin St., Ottawa
 O'GORMAN, P. J. Mackey Bldg., Sudbury, Ont.
 OUELLET, JOS. P., P.P.R.A.I.C. 28, rue Ste-Famille, Québec
 PAINCHAUD, D. E. 5252 Côte St-Antoine Rd., Montréal
 PAINE, A. J. C., B.A.R.C.H. Sun Life Bldg., Dominion Square, Montréal
 PAQUETTE, PAUL, A.D.B.A. 452 Cherrier St., Montréal
 PARANT, LOUIS 934 est, rue Ste-Catherine, Montréal
 PARENT, LUCIEN 2040, avenue Union, Montréal
 PARIZEAU, MARCEL 80, ave. Kelvin, Outremont
 PAULET, GEROGES ETIENNE, A.D.B.A. 1676, rue Beaudry, Montréal
 PAYETTE, EUGENE, F.R.I.B.A. 477, rue St-François-Xavier, Montréal
 PAYETTE, MAURICE, A.D.B.A. 477, rue St-François-Xavier, Montréal
 PEACOCK, T. REID, F.R.I.B.A. 81 St. Peter St., Québec
 PECK, HUGH A., B.A.R.C.H. 1198 University St., Montréal
 PEDEN, FRANK, B.S.C. 271 Melville Ave., Westmount
 PERRAULT, JEAN JULIEN, B.A.R.C.H. 4200 ouest, rue Sherbrooke, Montréal
 PERRON, J. EUGENE, A.D.B.A. 4258, rue St-Hubert, Montréal
 PERRY, A. LESLIE, B.A.R.C.H. 1405 Bishop St., Montréal
 PERRY, R. S., B.A.R.C.H., A.R.I.B.A. 1494 MacKay St., Montréal
 PESANT, J. A., A.D.B.A. 6756, rue deLaroche, Montréal
 PICHE, ALPH. 671, rue Belmont, Montréal
 PITTS, GORDON McL., M.S.C., B.A.R.C.H. 1158 Beaver Hall Sq., Montréal
 POITRAS, G. A., A.D.B.A. 105 Cote de la Montague, Québec
 POTVIN, ALFRED, B.A.A. 750, rue St-Gabriel, Montréal
 POULIN, J. AIME 63, rue Prospect, Sherbrooke
 RACICOT, FELIX, A.D.B.A. Pointe-aux-Pins, Ste. Joseph de Sorel, Que.
 RAY, A. G., A.R.I.B.A. 43 Windsor Ave., Westmount
 REA, KENNETH G., F.R.I.B.A. 1529 McGregor St., Montréal
 REEVES, C. A. 4114, Place Hôtel de Ville, Montréal
 RENAUD, P. GONZALES 4301, rue St-Hubert, Montréal
 RICHER, G. RENE St-Hyacinthe, P.Q.
 RINFRET, PIERRE, A.D.B.A. 126, rue St-Pierre, Québec
 RITCHIE, S. D. 2048 Union Avenue, Montréal
 ROBTAILLE, LUDGER 226, rue St-Jean, Québec
 ROPER, JOHN B., B.A.R.C.H. 75 Sparks St., Ottawa, Ont.
 ROSS, G. A. (F), F.R.I.B.A. 12th floor, 1010 St. Catherine St. W., Montréal
 ROUSSEAU, E. GEO. 1, rue Ferland, Québec
 ROUSSEAU, PAUL 181, rue St-Jean, Québec
 ROYER, ANDRE, A.D.B.A. 52 Mt. Plaisant, Sherbrooke
 SARRA-BOURNET, LUCIEN, B.A.A. 163, rue Principale, Hull, P.Q.
 SAVARD, JEAN N., A.D.B.A. 47, ave Cornwall, Ville Modèle, P.Q.
 SAWYER, JOSEPH 1207, rue Guy, Montréal
 SCHOFIELD, JOHN Can. Nat. Rys., 355 McGill St., Montréal
 SHENNAN, DAVID 2048 Union Ave., Montréal
 SHOREY, H. E., B.A.R.C.H. 2048 Union Avenue, Montréal
 SMIRD, ROLAND 927, rue Cherrier, Montréal
 SMITH, J. ROXBURGH 1221 Osborne St., Montréal
 SOMERVILLE, W. L., F.R.I.B.A. 50 Bloor St. W., Toronto
 SOUCY, J. B., A.D.B.A., A.D.A.D., PROF. 35 1/2, rue St-Joachim, Québec
 SPENCE, D. JEROME 2065 Union Ave., Montréal
 SPROULE, S. M., B.S.C., B.A.R.C.H. 4891 Sherbrooke St. W., Montréal
 STAVELEY, EDW. B. (F) 92 St. Peter St., Québec

PROVINCE OF QUEBEC—Continued

STEVENS, EDWARD F., F.A.I.A. 45 Newbury St., Boston, Mass.
 STEWART, GEO. M. 1188 Phillips Place, Montreal
 ST-JEAN, EUGENE, B.A.A. 755, Côte Place d'Armes, Montréal
 ST-LOUIS, A. 750, rue St-Gabriel, Montréal
 ST-LOUIS, JEAN-CHARLES 4089, rue St-Denis, Montréal
 TAILLON, ANTONIO B., A.D.B.A. 74, avenue Casot, Québec
 TALBOT, E. HENRI Monument, comté de Québec
 TANGUAY, BERCHMANS, A.D.B.A. 104, rue St-Jean, Québec
 TARDIF, J. HERVE 5329, rue Gagnier, Montréal
 TASSE, EMILE 297 est, rue Jean Talon, Montréal
 TETLEY, C. R., F.R.I.B.A. 650 Dorchester West, Montréal
 THACKER, A. D., A.R.I.B.A. 1178 Phillips Place, Montreal
 THIBODEAU, JEAN, B.A., B.S.C., B.ARCH. Room 913, 1455 Drummond St., Montreal
 THOMPSON, G. D., B.ARCH. 2049 McGill College Ave., Montreal
 TOURVILLE, R. R., D.P.L.G.F. 10 ouest, rue St-Jacques, Montréal
 TREMBLAY, DENIS 134, rue Brooks, Sherbrooke, P.Q.
 TREMBLAY, A. HENRI, A.D.B.A. 70, Sixième Ave., Québec
 TREMBLAY, E. W., A.D.B.A. 4290, rue deLorimier, Montreal
 TURCOTTE, E. J. Room 408, 1010 St. Catherine St. W., Montreal

TURCOTTE, LEO, A.D.B.A. 26, rue Lévis, Quebec
 TURNER, PHILIP J. (F), F.R.I.B.A. 1100 Beaver Hall Hill, Montréal
 VALENTINE, HUGH A. I., B.ARCH. 1671 Sherbrooke St. W., Montreal
 VALLANCE, HUGH, F.R.I.B.A., R.C.A. 1070 Bleury St., Montreal
 VENNE, PROF. EMILE, S.A.D.G., D.P.L.G.F. 3814, rue St. Denis, Montréal
 VENNE, LUDGER 3607, rue St-Denis, Montréal
 VIAU, JOSEPH DALBE 59 ouest, rue St-Jacques, Montréal
 VINCENT, ARTHUR (F) 517, blvd St-Laurent, Montréal
 WALLACE, J. P. Superfest Petroleum Corp. Ltd., London, Ont.
 WATT, LESLIE A., B.ARCH., A.R.I.B.A. 32 Maple Avenue, Ste-Anne de Bellevue, P.Q.
 WHITE, GEO. W. 1830 Lincoln Ave., Montreal
 WHITE, L. G. 101 Park Avenue, New York
 WIGGS, H. ROSS, S.B., A.R.I.B.A. 650 Dorchester St. W., Montreal
 WILSON, G. EVERETT, B.ARCH. 4210 Wilson Ave., N.D.G.
 WILSON, P. ROY, A.R.I.B.A. 1188 Phillips Place, Montreal
 WINTER, DOUGLAS C. 2351 Hingston Ave., N.-D.-G.
 WOOD, A. CAMPBELL, B.ARCH. 204 Notre Dame St. W., Montreal
 WOOD, GEO. W. (F) 204 Notre Dame St. W., Montreal
 WOOLVEN, JAMES A., B.ARCH. 317 Elm Ave., Westmount

PROVINCE OF SASKATCHEWAN

COUNCIL

President—W. G. VANEGMOND

1st Vice-President—F. H. PORTNALL (F)

2nd Vice-President—GEO. J. STEPHENSON

Secretary-Treasurer—E. J. GILBERT, 212 C.P.R. Building, Saskatoon

Councillors—A. R. GREIG, DAVID WEBSTER (F), JOS. WARBURTON

HONORARY MEMBERS

CLEMESHAU, F. C. International Theosophical Headquarters, Point Loma, Cal., U.S.A.
 DELAY, E. E., E.D.P., Wolsley, Sask.

MEMBERS

DAWSON, HAROLD 1371 Athol St., Regina
 DUKE, ROBERT F. 523-11th Street, Saskatoon
 GILBERT, E. J. 212 C.P.R. Building, Saskatoon
 GREIG, PROF. A. R. University of Saskatchewan, Saskatoon
 HACKETT, CHAS. M. U.S. Engineer's Office, Nashville, Tenn.
 HARGREAVES, HENRY Dominion Bank Bldg., Moose Jaw
 JARRETT, GEO. J. Weyburn
 MARTIN, FRANK J. Avenue Building, Saskatoon
 MCELROY, G. A. 255 Riverside Drive, East Windsor, Ont.
 PUNTIN, J. H. Darke Block, Regina
 WEBSTER, DAVID (F) 212 C.P.R. Building, Saskatoon

PORTNALL, F. H. (F) Credit Foncier Bldg., Regina
 REILLY, F. B. (F) Westman Chambers, Regina
 RUSSELL, H. A. Dominion Public Works, Halifax, N.S.
 STEPHENSON, GEO. J. Dominion Public Works, Saskatoon
 STOREY, STAN. E. McCallum Hill Building, Regina
 SWAN, WM. Punnichy
 THOMPSON, R. M. Old Bank of Nova Scotia Bldg., Saskatoon
 VANEGMOND, W. G. McCallum Hill Bldg., Regina
 VERBEKE, G. J. K. University of Saskatchewan, Saskatoon
 WARBURTON, JOSEPH Westman Chambers, Regina

NOTES

Philip J. Turner, F.R.A.I.C., of Montreal, addressed a recent meeting of the Royal Empire Society in Montreal on the subject of "The English Country House from Norman to Victorian Times."

* * * *

The annual meeting of the Toronto Chapter, Ontario Association of Architects, was held at the Arts and Letters Club, Toronto, on May 14th, 1937.

* * * *

Ian T. Archibald, M.R.A.I.C., and H. P. Illsley, M.R.A.I.C., of Montreal, announce that the name of the firm of John S. Archibald Associates, Architects, under which heading the practice of the late John S. Archibald was continued, is now changed to Archibald and Illsley, Architects.

* * * *

S. H. Maw, M.R.A.I.C., of Toronto, is at present in Europe, having attended the recent Coronation of His Majesty King George VI.

* * * *

The next annual British architects' conference will take place in Leeds, England, from June 23rd to 26th, 1937. Members of the R.A.I.C. who expect to be in England at that time are invited to attend the conference.

* * * *

R. R. Tourville, M.R.A.I.C., and Lucien Parent, M.R.A.I.C., announce that they have formed a partnership under the name of Tourville and Parent, Architects. Their address is Room 509, 10 St. James St. West, Montreal.

* * * *

Contracts awarded for all Canada during the month of April amounted to \$24,426,600, the highest monthly total since November, 1931. This is an increase of 52.3% over the March total of \$16,058,100 and an increase of 149% over April, 1936, the total for that month being \$9,815,100. For the first four months of 1937, contracts awarded amounted to \$55,835,700 as compared with \$41,942,300 for the same period of 1936, an increase of 33.1%.

A. W. Davison, M.R.A.I.C. and Harry P. Smith, M.R.A.I.C., of Brockville, Ontario, announce the formation of a partnership under the firm name of Davison and Smith, Architects.

* * * *

Philip J. Turner, F.R.A.I.C., of Montreal, delivered a lecture on "The Abbey, the Empire's Shrine" at a meeting of the Westmount Rotary Club, on April 28th, 1937.

* * * *

Sir Raymond Unwin, LL.D., past president of the Royal Institute of British Architects was invested with the Royal Gold Medal for architecture, at a meeting of the R.I.B.A. held on April 12th, 1937. Sir Raymond is the first town-planner to receive that distinction in the ninety years that it has been awarded.

* * * *

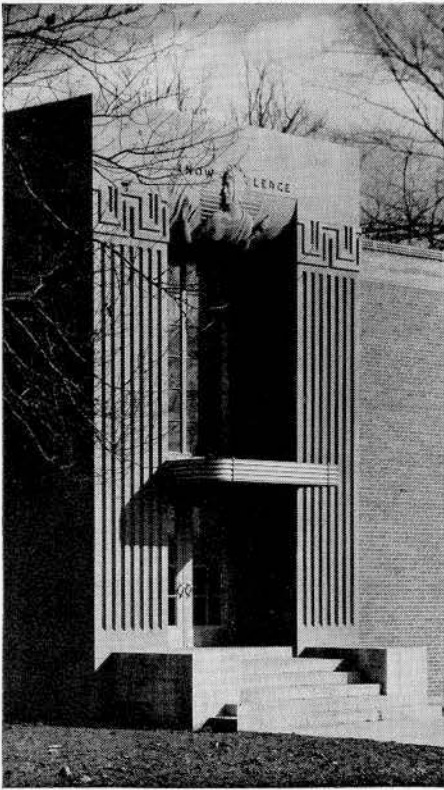
Mr. H. S. Goodhart-Rendel, F.R.I.B.A., R.A.I.C. Representative on the council of the R.I.B.A., was recently elected president of the Royal Institute of British Architects in succession to Mr. Percy Thomas, O.B.E. Mr. Goodhart-Rendel is a distinguished architect, a profound scholar, and a man of influence in the wider spheres of public life. Fifty years of age, he will be the youngest architect president in the 103 years' history of the R.I.B.A. He is a grandson of the late Lord Rendel of Hatchlands, and was educated at Eton and Trinity College, Cambridge.

* * * *

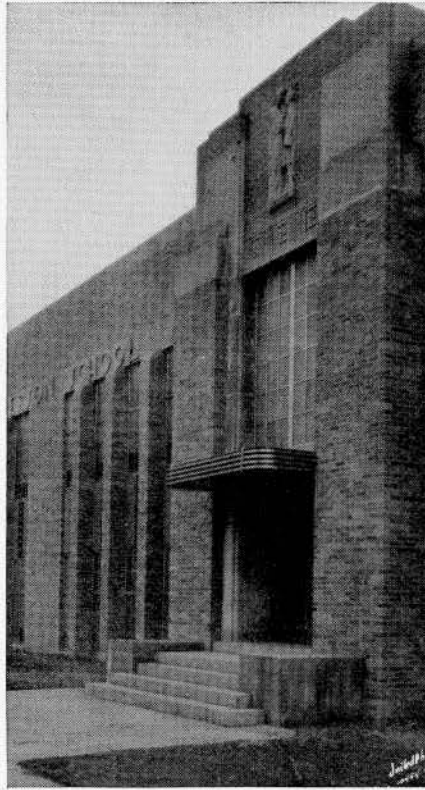
The Royal Architectural Institute of Canada announce that a new classification has been added to their standard filing system for manufacturers' literature. The new classification is "No. 41—air conditioning."

* * * *

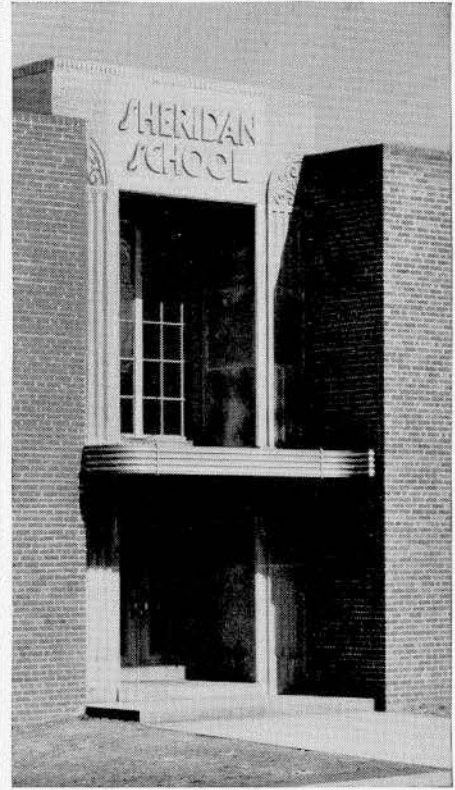
The Barrett Company Limited, Montreal, announce the appointment of Mr. G. H. Bartlett as vice-president of the company, succeeding Mr. L. F. Long, now in New York. Mr. Bartlett was born in Napanee, Ontario, and has been closely associated with the roofing and building supply industry for many years. He joined the Barrett Company, Limited, in 1927.



Lincoln Grade School



Jefferson Grade School
Schaeffer & Hooton, Architects—Bloomington, Ill.



Sheridan Grade School

Inside These Doors

HEALTH-COMFORT-CONVENIENCE

WITH JOHNSON REGULATION

Regardless of the type of system employed in heating and ventilating a school building, proper Johnson automatic control equipment is available. The inevitable result is health and comfort for teachers and pupils, convenience and economy for operating personnel. . . . These modern buildings at Bloomington, Ill., are heated and ventilated by "warm air blast". A Johnson thermostat in each room operates, silently and effectively, a Johnson mixing damper, and the proper mixture of heated and tempered air is carried by each delivery duct. Johnson Temperature Regulating Company of Canada, Limited, Toronto, Montreal, Winnipeg, Calgary, Vancouver.

JOHNSON

AUTOMATIC TEMPERATURE AND HUMIDITY CONTROL

For Heating - Cooling - Ventilating & Air Conditioning Systems

YOU *are invited*
to make use of
THIS FREE SERVICE
TO ARCHITECTS

We have an organized service to architects that is freely at your service for consultation on all questions of paint and painting.

A fully qualified paint engineer will call any time at your convenience to discuss special paints, colors, etc. Panels will gladly be made up to show you the paints or stains as they will appear when applied.

Just write or phone the Dept. of Architectural Service, The Sherwin-Williams Co. of Canada Limited, P.O. Box 2640, Montreal.

Semi-Lustre
SATIN-ENAMEL
THE WASHABLE SATIN FINISH
FOR WALLS, WOODWORK, CEILINGS,
ETC.

This revolutionary new finish is an excellent example of how Sherwin-Williams keep abreast of modern decorating trends.

Semi-Lustre has a high light reflection value free of glare. Simple washing with soap and water removes finger marks, ink and other stains without dimming the colors or harming the satin surface. Be sure to investigate the possibilities of this modern interior finish.

THE SHERWIN-WILLIAMS Co.
of Canada, Limited
Head Office MONTREAL

SHERWIN-WILLIAMS PAINTS

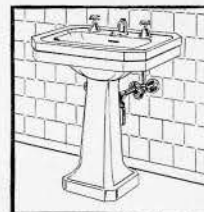
The
**ONLY
REALLY**

**QUIET
TOILET**

The
T/N



The T/N is absolutely unique in design and principle. It embodies a water closet with operating tank in one piece unattached to wall. Strong centrifugal action provides unusually quiet performance. The only toilet having rim wash at city pressure. Cannot overflow. Made of heavy vitreous china, the T/N will not craze or discolour. Available in white, black or six attractive pastel shades.



Canadian Potteries manufacture a comprehensive line of sanitary ware including lavatories for all requirements. Type illustrated is the straight front pedestal lavatory with cut corners, large rectangular basin and integral overflow.

*Sanitary ware with
this trade-mark is
made of heavy vitreous
china.*



*It will not craze or
discolour and is im-
perious to moisture,
acids, bacteria.*

**CANADIAN POTTERIES
LIMITED**
SAINT JOHNS QUEBEC

SECOND REVISED EDITION

ARCHITECTURAL GRAPHIC STANDARDS

By Charles G. Ramsay and Harold R. Sleeper

57 MORE PLATES—22% LARGER—SAME PRICE

This book will prove invaluable to architects and draughtsmen because of its practicality and comprehensiveness. It contains 260 plates of details which give in graphic form a great deal of information regarding types of construction and dimensions of standard equipment used in different classes of buildings.

The variety of the subjects covered include such details as floor construction, roof construction, various types of framing, doors and windows, fire-places, chimneys, etc., also a great deal of useful information giving sizes of tennis courts, bowling alleys, hand ball courts, kitchen equipment, swimming pools, furniture, bath room accessories, etc.

The book is indexed so that all information can be found easily, and it is sure to find almost daily use in every architect's office. It contains 284 pages, and is 9¼" x 11¾" in size.

Price \$6.50 - All charges prepaid.

ARCHITECTURAL PUBLICATIONS LIMITED
74 KING STREET EAST - TORONTO, ONT.

Cheques payable to Architectural Publications Limited

A NEW BOOK

THE MODERN HOUSE

By F. R. S. Yorke, A.R.I.B.A.

The modern architect does not allow a pre-conceived idea of the appearance of the facade to interfere with the efficiency of the plan. New materials are at his disposal and he employs new methods of construction. This book outlines the requirements to be met in the new type of home, and discusses at length its several parts—plan, wall, window and roof. It is illustrated by about 500 photographs, plans and constructional details of houses by architects in Europe and America.

Price \$6.00 - All charges prepaid.

ARCHITECTURAL PUBLICATIONS LIMITED
74 KING STREET EAST - TORONTO, ONT.

Cheques payable to Architectural Publications Limited

A NEW BOOK

COLOR IN SKETCHING AND RENDERING

By Arthur I. Guphill, A.I.A.

THIS volume was first conceived as a text and reference book for the person primarily interested in Architectural Rendering in Color. In its final form, however, while still ideal for that purpose, its scope has been so enlarged that it offers a vast fund of information on practically every phase of representative painting in water color and related media. Step by step, the text leads through particularly complete elementary chapters to later professional considerations. Every point is fully explained and graphically illustrated. Many professional secrets are revealed.

This book is probably the most comprehensive volume of its kind—surely it is the most handsome. The many illustrations in full color would alone be worth more than the price of the whole. It is indexed for ready reference.

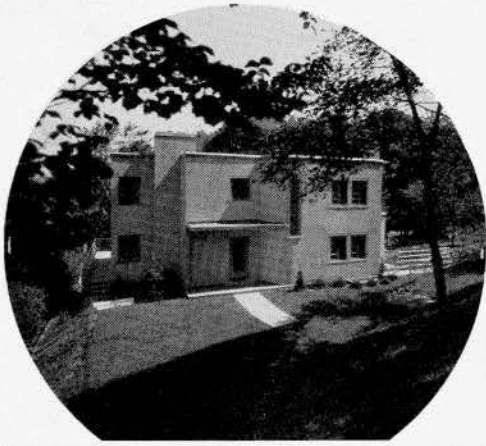
In addition to an exhaustive text and scores of drawings by the author, the book is embellished with examples of color drawings by many well known artists and renderers.

The book is 9" x 12" in size and contains 350 pages, with 250 illustrations.

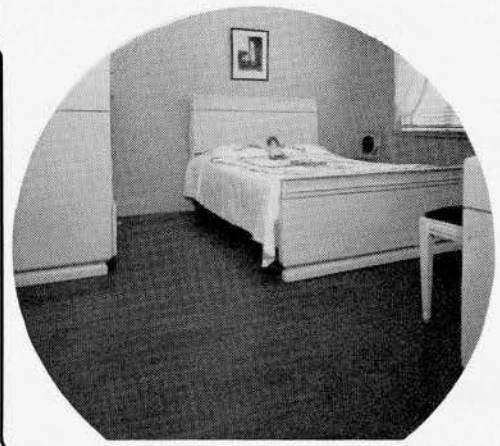
Price \$10.00 - All charges prepaid

ARCHITECTURAL PUBLICATIONS LIMITED
74 KING STREET EAST - TORONTO, ONT.

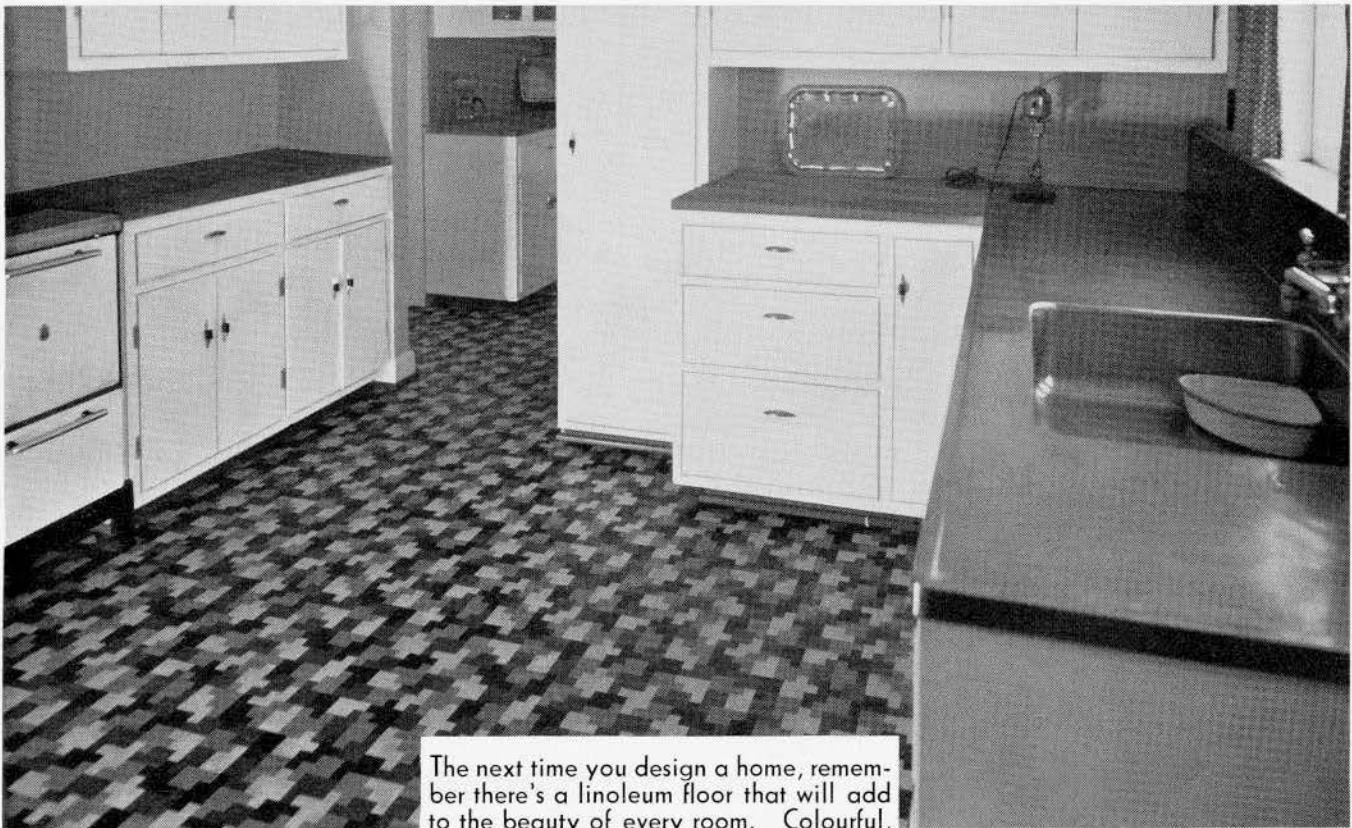
Cheques payable to Architectural Publications Limited



PERFECT SETTINGS



• BOTH INSIDE AND OUT •



Dominion

Linoleum

The next time you design a home, remember there's a linoleum floor that will add to the beauty of every room. Colourful, permanent, easy-to-clean—linoleum will harmonize with any decorative scheme. In the bedroom shown above, Dominion Jaspé was chosen, while in this modern kitchen, Straight Line Inlaid Linoleum, in an attractive colour combination of red, black, grey and ivory, makes freshness the keynote.

We will gladly co-operate with you in planning custom-built floors.

DOMINION OILCLOTH & LINOLEUM CO.
LIMITED MONTREAL

DOMINION LINOLEUM



B.P. Specification TILE FLOORING

Durable, decorative, resilient tiles in a variety of sizes and colours. Recommended for schools, office buildings, auditoriums, hospitals, churches, apartment houses and residences. Specification literature and samples immediately upon request.

BUILDING PRODUCTS LIMITED

Montreal Toronto Hamilton
Winnipeg St. John Halifax



OVERHEAD DOORS

THE DOOR is the only part of a garage that is handled—that has to be moved. If it doesn't operate easily the whole garage is a failure. It must also be weathertight and durable. Use a really good door—an R-W door.

Rolltite Canada's Finest Garage Door

The sectional overhead door noted for easy operation, weathertightness and excellent workmanship. Special designs to suit the architecture of the house are available. The most convenient door—never any trouble with ice or snow, and takes practically no room inside.

MONOTITE A one-piece door with hardware of simple design—few working parts. Quiet, low in cost, easily installed. Supplied complete with door or hardware only. Existing doors of any style can be easily converted.



GLIDER A new one-piece door—the only one with all these advantages; opens entirely inside, counter-balanced with weights and has 3" vertical rise at start of opening operation, thus eliminating trouble from heaving floors or sills. Doors to architects' designs, if desired.

CATALOGS Complete information and prices gladly supplied. Rolltite door in Catalog 38, Glider and Monotite in Catalog 39. Ask for both if you wish.

HARDWARE For all other types of garage doors—sliding, folding and swinging. Ask your dealer or write us. Our products are 100% Canadian made.

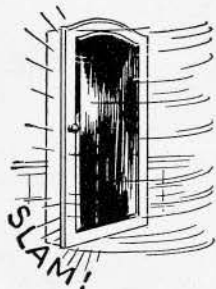
Canada's Door Engineers

Richards-Wilcox Canadian Co. Ltd.

Montreal Toronto LONDON Winnipeg Vancouver
DEPENDABLE "ALL CANADIAN" DOORS AND HARDWARE FOR EVERY PURPOSE

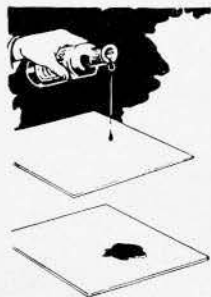
SLAM the door . . . The Mirror WON'T break

Miami Mirrors are suspended on special "shock absorbing" clips.



SPILL Iodine . . .

The finish WON'T stain. Match burns, acid stains, iodine, cannot penetrate the steel hard lustre of "Crystal Snow" pyroxylin type finish.



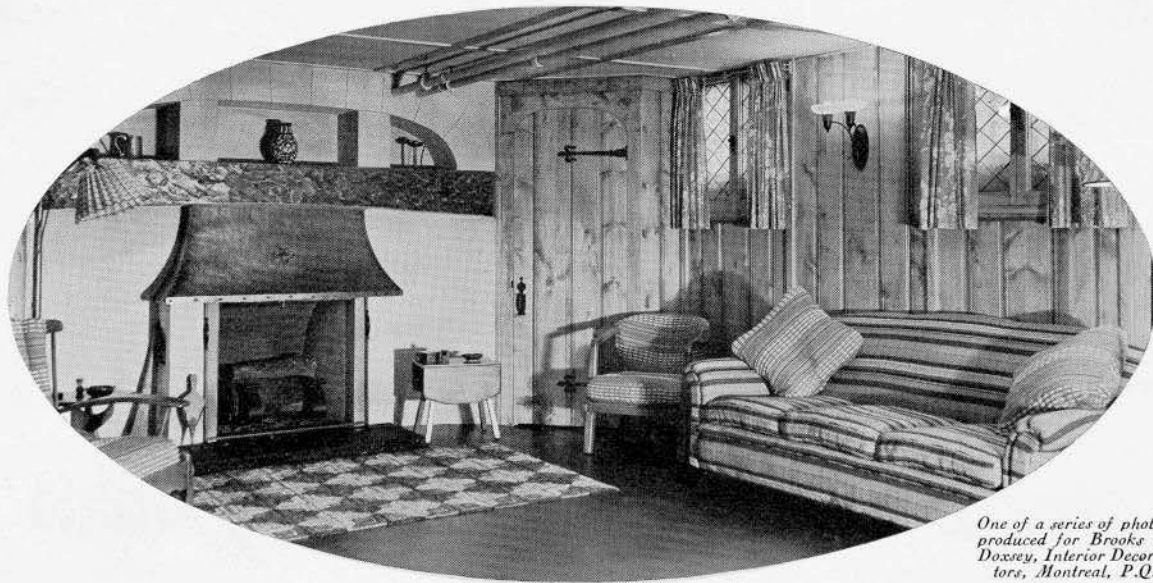
TEST the construction

Doors are air cushioned, bodies and flanges are of reinforced, electrically welded heavy gauge steel.

MIAMI and CAREY Bathroom Cabinets

For descriptive catalogue write to:

LADORE & COMPANY LIMITED
WALKERVILLE, ONT.



One of a series of photos produced for Brooks & Doxey, Interior Decorators, Montreal, P.Q.

Record the Finished Job! Be sure your files contain fine photographs of the work which you have done. Keep a record of beauty, design and workmanship with ASN photographs.

ASSOCIATED SCREEN NEWS LIMITED

TIVOLI THEATRE BLDG.
TORONTO

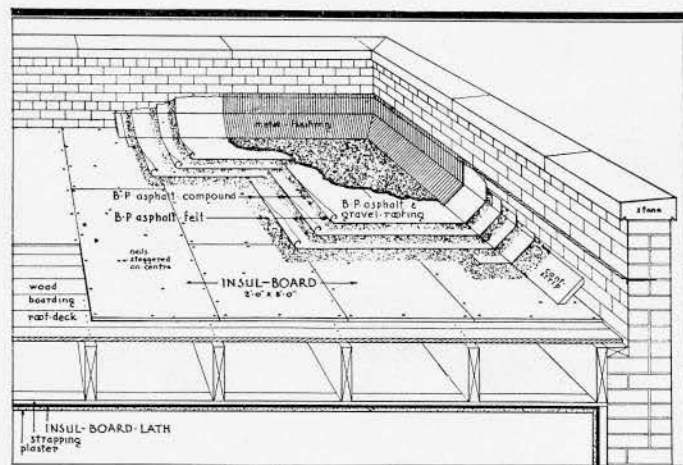
5271 WESTERN AVENUE
MONTREAL

EMPRESS HOTEL
VICTORIA



Bonded BUILT-UP ROOFS

Specialized intelligent co-operation with architects for all roofing and water-proofing problems. B.P. Built-Up Roofs for use over wood, concrete, tile or steel roof decks are in service on some of the most important buildings, industrial plants and mills in Canada. B.P. Built-up Roofs are **bonded** for 10 years—15 years—20 years. Complete specifications and plans immediately upon request.



Insul-Board Roof Insulator over wooden roof deck, according to B.P. Specification "A"

INSUL-BOARD

A moisture-proof insulating board—layer-built for greater structural strength. For roof insulation, Insul-Board Roof Insulator, size 2'x5', supplied in standard thickness of 7/16" and up to 2", or greater if necessary. Insul-Board Roof Insulator 1" thick or more, can be supplied with a 2" offset.

BUILDING PRODUCTS LIMITED

MONTREAL

TORONTO

HAMILTON

WINNIPEG

ST. JOHN

HALIFAX

PIPE AS PAGE-HERSEY MAKES IT



HOT DIP

Galvanizing

3 PROCESSES
SIZES 1/8" TO 12" INCLUSIVE

- **BUTTWELD**
The simplest form of pipe construction. Made from the finest tube strips, accurately butted and welded. In a complete range of sizes from 1/8" to 4".
- **LAPWELD**
A superior pipe, pioneered in Canada by Page-Hersey. Withstands greater strain and pressure. Recommended for sizes 2" and over. Made in sizes from 1" to 12" inclusive.
- **WELDLESS**
Pipe without welds, made from solid steel billets punched cleanly and accurately. A super-pipe recommended where exceptionally high pressures or strains are to be encountered. Available in sizes 1/4" to 6".

SPECIFY PAGE-HERSEY
ORDER THROUGH YOUR JOBBER
MADE IN CANADA

The name "Page-Hersey" embossed in each length of galvanized pipe—is your guarantee of a job well done. Hot-Dip galvanizing is used by Page-Hersey because it gives the pipe armour protection against the constant and costly attacks of corrosion. That is why Galvanized Pipe—as Page-Hersey Makes It—is the most modern and durable that can be manufactured . . . bends more easily to a **SHORTER RADIUS without peeling**. By the Hot-Dip method, you get the perfect bond between coating and product formed by molten zinc. Insist on Page-Hersey pipe, alone, for sound pipe investment.

There is a complete range of Page-Hersey Pipe to meet every requirement. Through our association connections, the research facilities of an international authority on zinc coatings is at your service.

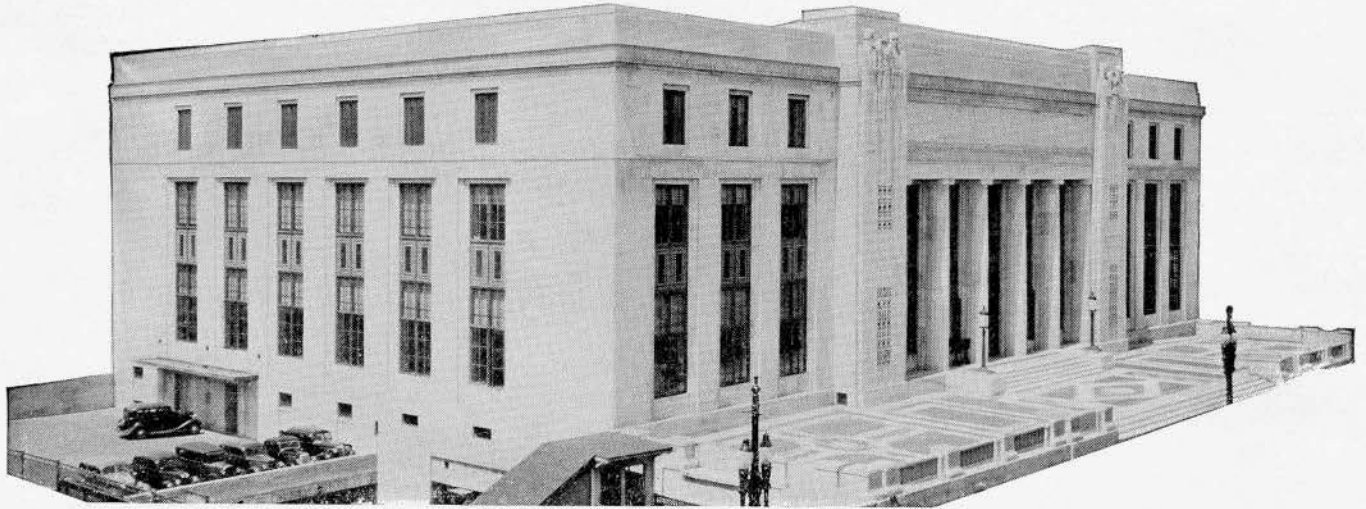
T37-PH4

PAGE-HERSEY PIPE

PAGE-HERSEY TUBES LIMITED

100 CHURCH ST. TORONTO

REGULAR STEEL PIPE • COPPER CONTENT STEEL PIPE • STEEL-CLAD COPPER PIPE • GENUINE WROUGHT IRON PIPE • WATER, GAS, AND OIL, WELL CASING • FURNISHED IN BLACK OR GALVANIZED



IN THIS LIBRARY BUILT ON PIERS
Cork locks out dampness . . . aids air conditioning efficiency

More than 100,000 board feet of Armstrong's Corkboard were used in the construction of the new air conditioned Library.

This Library is built entirely on piers and it spans both a broad mill race and a traction subway line which uses the abandoned bed of an old Canal. To guard against the moisture and exposure resulting from this situation, the entire lower floor slab is insulated with 1½ inch corkboard.

In addition, maximum efficiency and economy of the large Carrier air conditioning system is assured through insulation of all ducts, air-washers and other equipment with Armstrong's



Corkboard. Pipe lines in connection with this equipment are insulated with Armstrong's Cork Covering.

Thanks to the natural cell structure of cork, both Armstrong's Corkboard and Armstrong's Cork Covering provide low thermal conductivity plus a high resistance to the efficiency-destroying effects of moisture. As a result, they offer permanent insulating efficiency for all types of air conditioned and normally-heated buildings. For small air conditioning installations, the new Armstrong's D1 Corkboard in ½ inch thickness is recommended. Write today for complete information and samples.

ARMSTRONG CORK & INSULATION COMPANY LIMITED
MONTREAL TORONTO WINNIPEG



WHAT PAINT IS CORRECT-

for a smokestack?

for a laboratory?

for acoustical materials?

It is not important that an architect know every answer to specialized problems. But he should know that such questions **can** be answered, and by whom.

We have prepared a manual which contains many of the answers to paint problems. It is a manual of general information and instruction. If you would like a copy, fill in the coupon below and mail to Canadian Industries Limited, Paint and Varnish Division, Toronto.



To: Canadian Industries Limited
 Paint and Varnish Division
 Foot of Laughton Ave., Toronto.
 I am a registered architect. Please send me a copy of
 your "Manual of Upkeep Painting."

Name
 Address
 City
 Prov.

Begin Modernization with The HEATING SYSTEM *Automatic Control will Pay for Itself*

IN any modernization program, you can safely begin with the heating system. A Minneapolis-Honeywell Automatic Control system will provide the proper temperature condition so essential to health and comfort and will pay its cost in a remarkably short time by saving from 10 to 30 percent in fuel. There is a Minneapolis-Honeywell System available to exactly meet the individual requirements of any building, old or new, large or small. Electric, pneumatic or a combination of electric and pneumatic controls are possible when the system is designed by Minneapolis-Honeywell. Our engineers are available for consultation with you. They will gladly show you how little it costs to provide proper control systems for every heating, ventilating or air conditioning application.

For full information write Minneapolis-Honeywell Regulator Company Ltd., 117 Peter St., Toronto. Branches: Montreal, Winnipeg, Calgary. In England, Honeywell-Brown Ltd., London.

MINNEAPOLIS - HONEYWELL

Control Systems

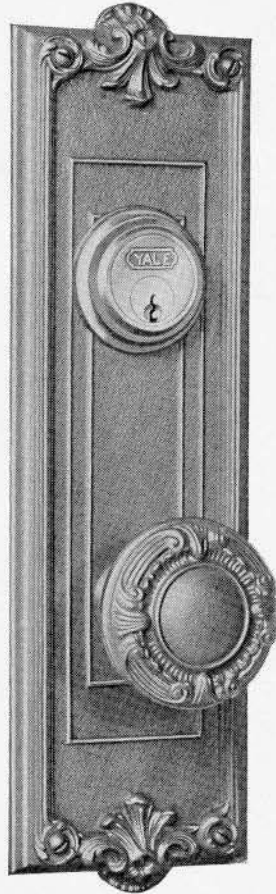
BROWN
INDUSTRIAL
INSTRUMENTS

NATIONAL
PNEUMATIC
CONTROLS

A MESSAGE TO ARCHITECTS

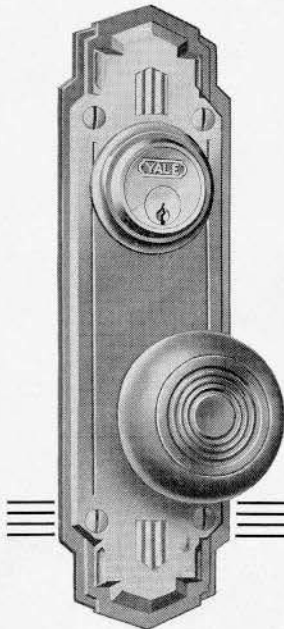
INSURE the final touch of perfection in the carrying out of your plans.

Wherever they call for hardware, specify YALE and be assured that in beauty of design, in workmanship and in finish, YALE Builders Hardware will do full justice to your work.

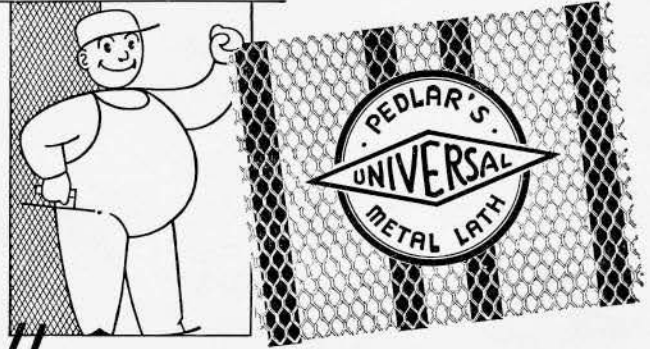


Yale presents an extensive array of patterns to conform to any architectural motif from classic to modern.

THE YALE & TOWNE
MFG. CO.
Canadian Division
ST. CATHARINES, ONT.



The Plasterer Says:



HERE'S A

Metal Lath that INSULATES

In every city, town, village and hamlet throughout Canada, home owners are borrowing money to make their homes more modern, more comfortable. We are telling these home owners all about the advantages of our new Universal Metal Lath—the lath that has

A small diamond mesh with an Insulation Backing

This new product combines Pedlar's "Plaster Saving" Metal Lath with a backing of either tough Kraft paper, or Waterproof paper, as desired. Universal Metal Lath is the ideal reinforcing for 2 coat work. It back-plasters automatically as the material is applied, forming a solid slab on each side of the lath.

Heat loss is reduced to a minimum . . . sounds and vibrations retarded

The insulating qualities of our Universal Lath commends it to both the owner and the builder. We also make Universal Rib Lath for use in concrete floor construction. It takes the place of wood or metal forms and provides necessary reinforcing. No concrete is wasted as there are no droppings or seepage through the backing of the lath. Our other reinforcing products include: Plaster Saving Metal Lath, "Superior" Rib Lath, Corner Bead, Channels, Base Screed, etc.

Write today to our nearest branch for prices and samples

THE PEDLAR PEOPLE LIMITED

Established 1861

HEAD OFFICE—OSHAWA, ONTARIO

Montreal - Toronto - Ottawa - Winnipeg
Calgary - Vancouver

**PEDLAR'S
UNIVERSAL
METAL LATH**

**Strength
Assured**
BECAUSE
The BARS are **STELCO**



STELCO

The STEEL-MARK of QUALITY

One of the least conspicuous but one of the most important items on any concrete construction job, is the reinforcing bars. They must always be available in quantity for every pour and they must do what their name implies — reinforce.

Contractors everywhere depend on STELCO for immediate delivery of NEW open-hearth steel billet reinforcing bars, plain or bent to their specifications. Ample stocks of regular sizes and quick service on special bends at Hamilton and Montreal.

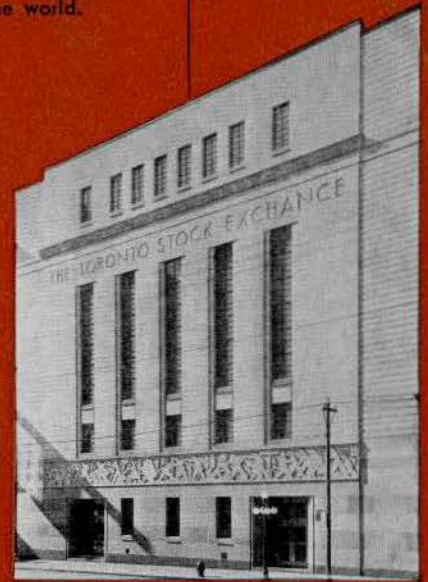
Complete and specialized manufacturing facilities, the experience of years and an expert knowledge of metals, assure the dependability of Stelco products. Canadian-made from ore to finished article, they mean a maximum of work for Canadian workmen.

THE STEEL COMPANY OF CANADA, LIMITED

HAMILTON - EXECUTIVE OFFICES - MONTREAL

SALES OFFICES: HALIFAX, ST. JOHN, MONTREAL, TORONTO, HAMILTON, WINNIPEG VANCOUVER
WORKS: HAMILTON, MONTREAL, TORONTO, BRANTFORD, LONDON, GANANOQUE

date trading floor
in the world.



THE TORONTO STOCK EXCHANGE

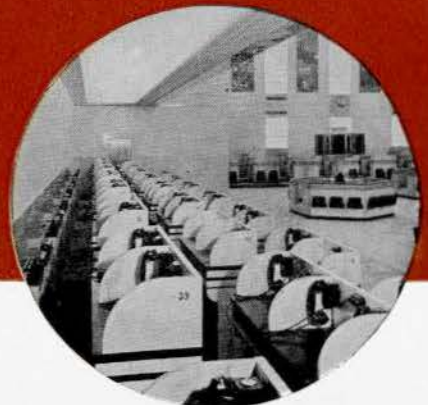


Architects: GEORGE and MOOREHOUSE, M.M.R.A.I.C. and S. H. MAW, M.R.A.I.C., Associate Architect.

Consulting Engineer: WALTER J. ARMSTRONG.

Plumbing & Heating Contractors: BENNETT & WRIGHT, Ltd.

Powers Control is used in this
completely air conditioned stock exchange



TRADERS' DESKS

In the new Toronto Stock Exchange the best of modern design has been combined with the most up-to-date and efficient mechanical equipment that money can buy.

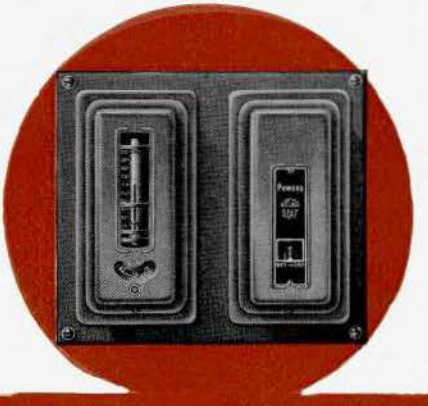
Dining rooms, lounges, the trading floor, the office of the President and the Management Committee Room are all air conditioned and regulated by Powers Control.

With the experience gained by installing automatic control in such prominent buildings as this and the Winnipeg Grain Exchange; T. Eaton Co., Ltd., Department Store, Toronto; and the Royal York Hotel; we may be able to help you select the proper type of control for any of your buildings.

The Canadian Powers Regulator Co., Ltd., 106 Lombard Street, Toronto; Offices in Winnipeg, Montreal, Calgary, Halifax and Vancouver.



MEMBERS' LOUNGE



RK MAK PW KLK MAK ER
2.48 1.199 2.620 2.148 1.199 1.226 1.11

POWERS

45 Years of Automatic Temperature and Humidity Control

TEMPERATURE AND HUMIDITY CONTROL

For Heating • Cooling • Air Conditioning Systems • Industrial Processes