

The end of an era

The RAIC regrets to announce that with the publication of this July 1973 Issue of *Architecture Canada Newsmagazine* and the new 1973/74 Directory in August, the contract/agreement between the Institute and the 5th Company (Greey de Pencier Publications Ltd.) will be terminated at the request of the publisher.

Architecture Canada in its present format first appeared in February 1970 as a fortnightly newsletter communication service for all members of the Institute. Despite the persistent problem of obtaining adequate national advertising, the

5th Company consistently produced a valued periodical during 3½ years, at a substantial cost of their own time, money and effort each month. The entire operation has been conducted at no expense to the Institute or its members.

The editorial services provided by Ms. Annabel Slaight and her sustained personal interest in reporting the activities of the architectural profession in Canada during the course of many difficult publication years have been recognized and very much appreciated by the RAIC.

The officers of the new 1973/74 RAIC Council, meeting for the first time in Montreal, Saturday

June 2, 1973, were authorized to proceed with the publication of a monthly newsletter for the balance of 1973, commencing with an August issue. Ways and means of implementing this decision are under active and urgent review.

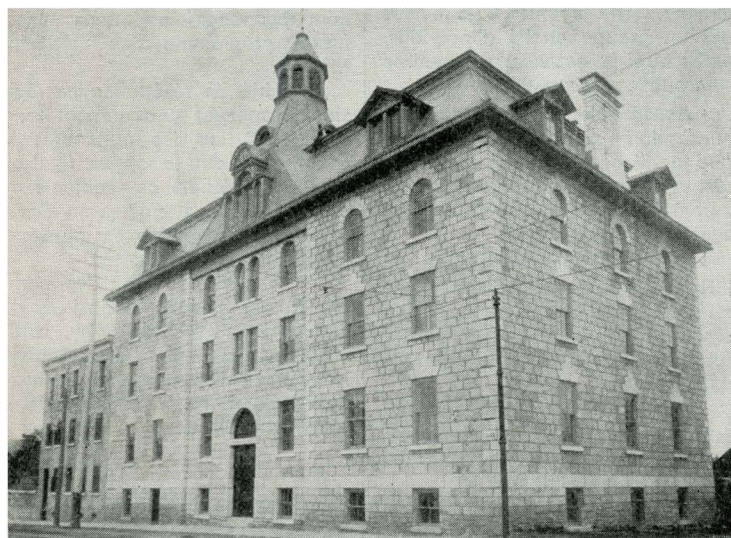
The Institute is determined to bridge any temporary communication gap and to provide a national architectural information and news

service. Provincial associations now have the immediate opportunity through their representation on RAIC Council to provide comment, opinion and content, coupled with an indication of desire and ability to finance a new operation that is estimated to cost \$10,000 per year commencing January 1974.

Wilson A. Salter, FRAIC, Executive Vice-President.

Architecture Canada

NEWSMAGAZINE
Published by RAIC/IRAC July 1973



Christian Brothers photo (circa 1890)

Setting an example

Federal Ministry of State for Urban Affairs is underscoring heavy emphasis on rehabilitation in recent housing legislation by renovating this 140-year-old Ottawa building as its new headquarters.

La fin d'une époque

L'IRAC annonce avec regret que l'entente entre l'Institut et la 5th Company (Greey de Pencier Publications Ltd.) prendra fin, à la demande de l'éditeur, avec le numéro de juillet et l'annuaire 1973/74 de la revue *Architecture Canada*.

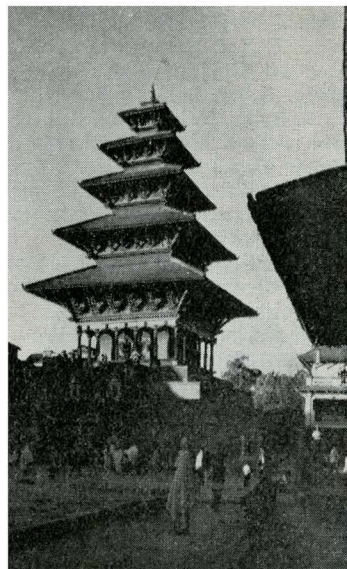
Architecture Canada sous sa forme actuelle parut pour la première fois en février 1970. Depuis, malgré de continus problèmes de publicité à l'échelle nationale, la 5th Company a persisté à produire un bulletin de nouvelles de grande valeur, sans déboursé de la part de l'Institut.

Les services offerts par Annabel Slaight en tant qu'éditeuse, ainsi que l'intérêt dont elle a fait preuve dans le reportage des activités de notre profession sont sincèrement appréciés de la part de l'IRAC.

Les membres du comité exécutif de l'Institut, lors de leur première rencontre à Montréal le samedi 2 juin dernier ont été autorisés à procéder à la publication d'un bulletin mensuel pour prévenir tout manque de communication d'ici la fin de l'année 1973, alors qu'un nouveau programme de publication sera mis sur pied.

Les associations constituantes ont été invitées à fournir idées, matériel et commentaires pour cette publication intérimaire, par l'intermédiaire de leurs représentants provinciaux. Elles ont également été invitées à commenter et à offrir leur assistance pour le financement d'une nouvelle publication, au début de 1974, au coût de \$10,000.00.

Wilson A. Salter Vice-président administratif



Milton S. Hicks photo

Nepalese architecture

is the subject of a book — the first of its kind — being researched and written by Vancouver architect Milton S. Hicks.



Will you be remembered for your product or your by-products?

Let's say you run a company. And this morning you wake up to find yourself suddenly, disastrously famous. An inspection flood, halting construction on your plant, because it's chugging the river down stream... A stiff fine, slapped on you because your building process exceeds the maximum decibel count set by the new Noise Code...

ask your secretary to drop a card to American Institute of Architects, 1735 New York Avenue, N.W. Washington, D.C. 20006.

The architect as environmentalist

Latest in a series of ads being run by the American Institute of Architects in such publications as 'Business Week' and 'Wall Street Journal'. Message is that architects can help "solve a variety of facilities problems in innovative ways."



RAIC/IRAC **communiqué**

First meeting of 1973/4 Council

The newly elected 1973/4 Council of the RAIC held its first meeting in Montreal, immediately following the joint RAIC/PQAA convention. It:

- Approved an "extended program and special projects" budget of \$17,000, and gave the go-ahead to several projects to be financed by this fund;

- Noted that Gregory A. Lambros of Halifax is circulating draft copies of a new 'Minimum Syllabus' booklet for review by "selected individuals," after which it will be printed and distributed;

- Agreed to make representation to the federal government that the proposed "Olympic Village" housing in Montreal be on a series of scattered and relatively small sites rather than concentrated in one area;

- Instructed the Institute's officers to draw up terms of reference for a study of the structure of the RAIC and to suggest a suitable consultant to do the study;

- Suggested an increase of the RAIC portion of provincial association dues from \$35 to \$50 per capita per annum, effective January 1, 1974 ("in view of the expression of confidence in the RAIC voiced at the annual members' meeting");

- Recommended that the standing committee on legal documents form the base of a task force to review future changes to provincial professional design Acts with view to co-ordinating them where possible "as these Acts may affect the implementation of future inter-provincial reciprocity and the survival of the architectural profession itself";

- Decided to ask the RAIC/Federal Government Committee to establish a task force to review recommended fee schedules of component associations "with the objective of arriving at a uniform national schedule of fees";

- Decided to publish a bilingual newsletter to replace the service provided by *Architecture Canada*, which will cease publication in its present form following this issue (the August issue will comprise the annual directory);

- Replaced the present Environment & Urban Affairs Committee with a "Confex Task Force" which will work exclusively on preparations

for "Confex '76" - a major international conference/exposition on human settlements to be held in Vancouver in June 1976 (A/C, 6/73);

- Endorsed a recommendation that several Montreal buildings "be declared monuments of architectural and historic value and be preserved as such. . .";

- Appointed Clifford Wiens of Regina chairman of a task force "to investigate and make recommendations on the future of the Massey Medals program";

- Decided to re-examine the proposed revisions to RAIC Document 4 on competitions because the final report of the committee which has been studying the subject for three years is "not acceptable to several provincial associations."

The RAIC officers and council will next meet at Digby, N.S. September 5/7 in conjunction with a joint meeting of the four Atlantic provinces.

New affiliate

The Architects Association of Prince Edward Island is now a recognized component association of the RAIC. President Peter A. McNeil of AAPEI is the province's representative on the RAIC Council.

New council

Bernard Wood of Edmonton is vice-president of the RAIC for 1973/4. Provincial representatives on the council are: Freda M. O'Connor, Alta.; Fred T. Hollingsworth, B.C.; Marshall E. Haid, Man.; John K. Large, N.B.; C. H. Cullum, Nfld.; E. M. Byrne, N.S.; Wilfrid B. Lamb, Ont.; Peter A. McNeil, P.E.I.; Marvin Cohen, Que.; Clifford Wiens, Sask. The 1973/4 officers for the Institute were announced in the last issue of *Architecture Canada*.

Council members have been assigned committee and/or task force responsibilities as follows: liability insurance, and Confex '76, Wood; Massey Medals, Wiens; regional representation, Large; *Handbook of Practice*, Lamb.

New Chancellor

Gerard Venne of Quebec City succeeds Richard Bolton of Montreal

as Chancellor of the College of Fellows. The appointment is for three years.

Note: complete listings of officers, council members, past presidents, members of the College of Fellows, etc. will be included in the 1973/4 edition of the annual directory, published as the August issue of Architecture Canada.

Première réunion du conseil 73/74

Le nouveau conseil de l'IRAC, pour l'année 1973/74, s'est réuni pour la première fois à Montréal suivant l'assemblée conjointe IRAC-AAPO. Le conseil a:

- Approuvé un budget de \$17,000.00 pour projets spéciaux.

- Pris note que M. Lambros de Halifax fait circuler des copies préliminaires du nouveau syllabus d'études minima. Cette brochure sera révisée par un groupe choisi d'individus, après quoi le nouveau programme sera publié et distribué.

- Accepté de faire représentation auprès du gouvernement fédéral pour que le village olympique de Montréal consiste en une série de petites communautés plutôt qu'en un seul site.

- Demandé au comité exécutif de l'IRAC de préparer des termes de référence pour une étude sur la structure de l'Institut et de choisir un expert-consultant pour conduire cette étude.

- Suggéré une augmentation de la portion des frais annuels payés à l'IRAC par les associations constituantes, de \$35.00 à \$50.00.

- Recommandé que le comité permanent sur les documents légaux forme la base d'un groupe d'étude qui révisera les changements futurs touchant les Lois provinciales sur le design professionnel "puisque ces Lois pourraient affecter le programme de réciprocité inter-provinciale de l'IRAC ainsi que l'existence même de la profession architecturale.

- Décidé de demander au comité conjoint IRAC/MTP d'établir un comité d'étude pour réviser les tableaux de frais professionnels recommandés par les diverses associations constituantes afin d'en arriver à un seul tableau qui serait

acceptable par toutes les associations.

- Décidé de publier un bulletin de nouvelles, bilingue, pour remplacer le service offert par *Architecture Canada* qui cessera ses opérations en août prochain. Le dernier numéro, en août, comprendra l'annuaire 1973/74.

- Remplacé le comité existant sur l'environnement et les affaires urbaines par un comité d'étude "Confex" qui aura comme exclusive responsabilité les préparatifs en vue de "Confex 76", une importante conférence-exposition internationale sur les groupements humains qui aura lieu à Vancouver en juin 1976.

- Secondé une recommandation à l'effet que plusieurs bâtimens de Montréal soient déclarés "monuments historiques" et qu'ils soient conservés tels quels pour leur valeur historique.

- Nommé Clifford Wiens de Regina président d'un comité d'étude qui aura comme responsabilité de faire des recommandations sur le future programme des médailles Massey.

- Décidé de ré-étudier les révisions proposées au document no. 4 de l'IRAC sur les concours; la raison étant que le rapport final du comité qui étudia ce problème au cours des trois dernières années a été jugé inacceptable par plusieurs associations constituantes.

Il y aura une réunion des membres du comité exécutif ainsi que du conseil de l'IRAC à Digby, Nouvelle Ecosse, les 5, 6, 7 septembre, lors de la réunion conjointe annuelle des associations provinciales de la région atlantique.

Un nouveau groupe joint l'IRAC

L'association des architectes de l'Île du Prince Edouard est maintenant reconnue comme association constituante de l'IRAC. Le président, Peter A. McNeil de l'AAIPE est le représentant de l'association auprès de l'IRAC.

Prix annuels

L'IRAC a lancé pour la première fois cette année un programme de prix annuels destiné à attirer l'attention du public sur la variété, l'étendue et

Architecture Canada is published by the 5th Company (Greey de Pencier Publications Ltd.) for the Royal Architectural Institute of Canada / l'Institut Royal d'Architecture du Canada. The Company also publishes Architecture Canada Directory.

Architecture Canada editorial, circulation and advertising offices are at 56 Esplanade St. E., Toronto 1, 416-364-3333.

5th Company editorial committee: Annabel Slaughter, Patrick Hailstone, Felicity Carson, Ron Butler, Michael de Pencier.

Subscriptions are \$10 a year.

RAIC/IRAC office 151 Slater Street, Ottawa 4.

Opinions published in *Architecture Canada* do not necessarily represent the views of the RAIC, nor of the publishers.

589 volume 50

CCAB audited circulation 5,635

Postage paid at Toronto at third (or fourth) class rate - Permit No. C52.

la valeur des services architecturaux.

Ce programme, réalisé dans le contexte du Congrès conjoint IRAC / AAPQ, a permis à tous les architectes du Canada inscrits au congrès de participer à la sélection des meilleurs projets de design soumis par leurs confrères.

Soixante et un projets allant du simple abri au complexe multifonctionnel ont été soumis.

En plus des types de construction variés qui ont été présentés, il y a lieu de noter la présentation d'un système d'ascenseur continu, de plusieurs systèmes de construction, de plans de développement régionaux et d'un véhicule de transit, le tout soumis par des membres de la profession.

Gagnants des prix annuels de l'IRAC 1973:

Catégorie A (réalisations) prix à : Sedgewick Library, Vancouver, Rhone & Iredale, Vancouver; Foyer Saint-Laurent, Gilles S. Bonetto, Montréal; Chalet été/hiver, Sainte-Adèle, Cayouette Saia Leclerc, Montréal; Résidence BGL, Blouin & Blouin, Montréal.

Catégorie A (réalisations) mention à : General offices for Bramalea General Contracting Ltd., R. P. G. Pennington, Toronto; Habitations "La Vérendrye," Dupuis & Mathieu, Montréal; Canada Centre for Inland Waters, Wall & Yamamoto, Burlington; Montréal Forum, K. Sedleigh, Toronto; Hoffman-La Roche Ltd., Marshall Merrett Stahl Elliott & Mill, Montréal; Bibliothèque de l'Université de Windsor, Bland Le Moyne Shine Lacroix, Montréal; Architects' Offices, Sankey Associates, Montréal.

Catégorie B (projets non réalisés) prix à : Halifax old waterfront, Duffus, Romans, Jundzins & Rounsefell, Halifax; Bank of Canada, Ottawa, Marani Rounthwaite & Dick/Arthur Erickson, Toronto.

Mention à : Trebron Pneumatic Closed Loop System, Trebron Holdings Ltd., G. Arnott, Regina; Prototype Environmental Enclosure, Marani Rounthwaite & Dick, Toronto; Midtown Manhattan, van Ginkel Partners, Montréal; Chalet Ouellet, G. S. Bonetto, Montréal; Eglise de Sainte-Adèle, Dupuis & Mathieu, Montréal; Prestige downtown condominium, de Belle & Koffman, Ottawa.

Spec. writers meet

"The Process is the Culprit" was the theme of the recent convention of the Specification Writers Association of Canada, held in Edmonton. The meetings examined the building process itself and its responsibility for rising costs and delays experienced by the construction industry.

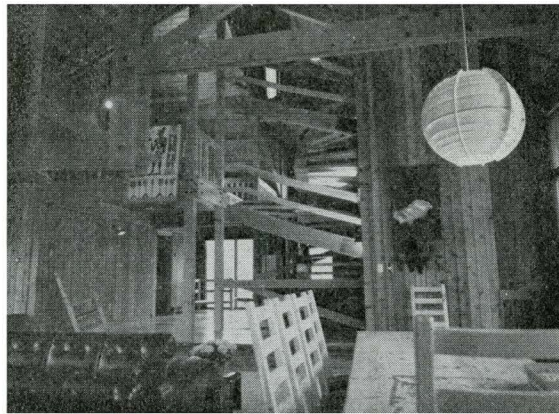
Interviewed following the technical sessions, SWAC's new president C. R. W. MacPhail emphasized the need for and the role his association could play in improving the flow of information through the several participants in the industry.

RAIC annual awards: 1973

This year, the Royal Architectural Institute of Canada initiated a new program of awards "to bring to public attention the variety, scope and value of architectural services." Submissions were invited of "any work of physical design . . . relevant to the built environment." Winners were selected in two categories — completed structures and unrealized projects — by ballot of delegates to the annual assembly, where the entries were first exhibited.

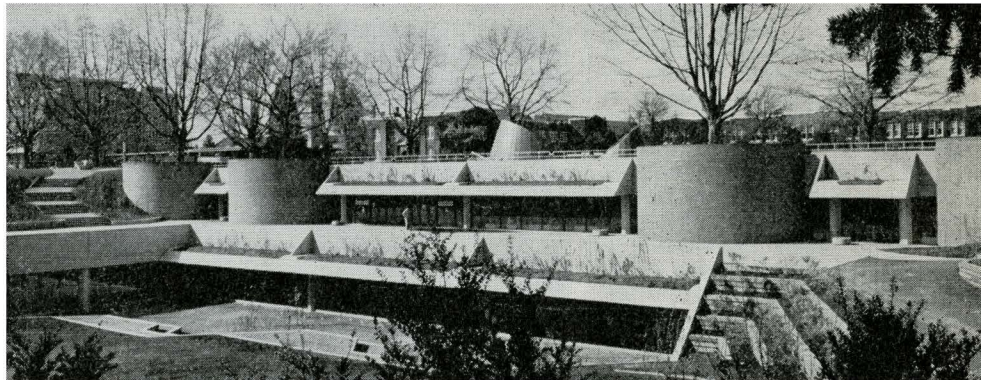


G. Dubois/J. C. Hurni photo

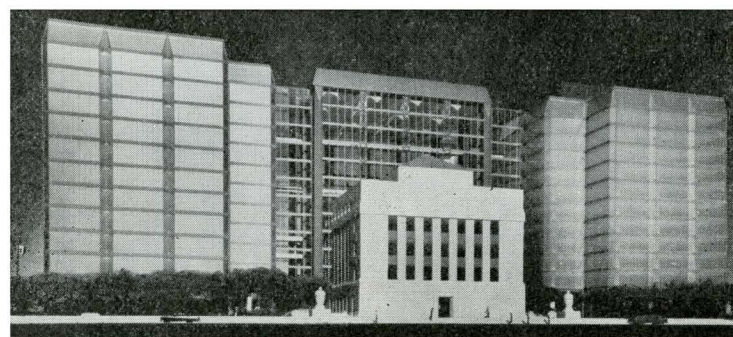
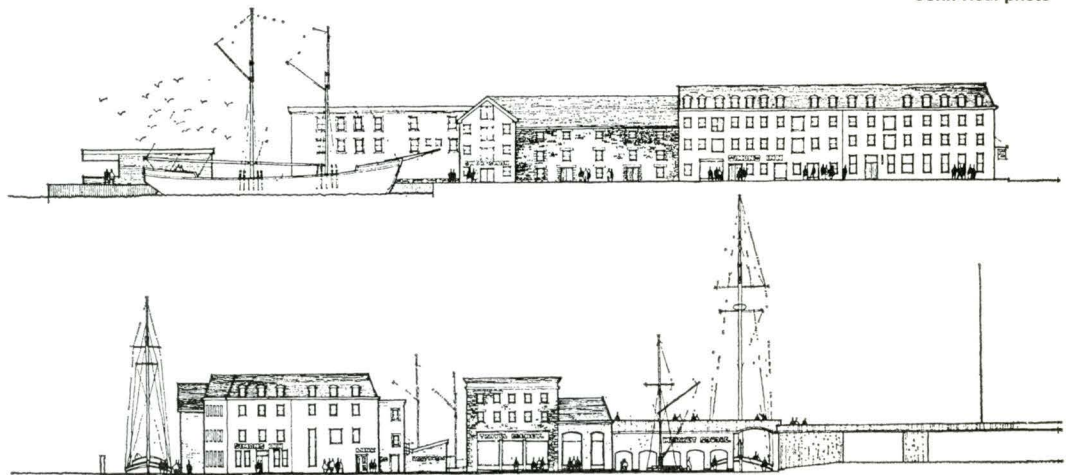


Award winners (completed structures)

B.G.L. Residence, Blouin & Blouin, Montréal (above); Chalet at Ste. Adèle, Cayouette Saia Leclerc, Montreal (left); Sedgewick Library, Vancouver, Rhone & Iredale, Vancouver (below); Foyer Saint-Laurent, Gilles S. Bonetto, Montreal (not illustrated).



John Hoaf photo



Realisation photo

Award winners (unrealized projects):

Renewal of Halifax old waterfront, Duffus, Romans, Jundzins & Rounsefell, Halifax (above); Bank of Canada, Ottawa, Marani Rounthwaite & Dick/Arthur Erickson, Toronto (left).

Turn page for honorable mentions . . .

"While the technology is becoming increasingly complex, like that in all other industries, it is still manageable," says MacPhail. "The technological changes have been surpassed by social and contractual developments."

He points out that the number of participants in the process is increasing — that the traditional team of architect and general contractor has been augmented by the expert engineering consultants, the specialist subcontractors, manufacturers, building officials, trade union representatives and the construction specification writer.

"The increase in the number of participants means a multiplication of the number of communication links in the process. We can deal with the technical problems — the real culprit is that part of the process related to the several human elements involved."

New officers

Professional engineer C. R. W. MacPhail is the new president of the Specification Writers Association of Canada. He is associated with the architectural practice of RAIC past-president Gordon R. Arnott of Regina and a partner in E.P.M. Consultants Ltd. in the same city.

Elected vice-presidents at SWAC's annual meeting in Edmonton last month were: F. Ross Browne of Furby Sales Ltd., in Winnipeg; D. L. Colbourne of Sternson Ltd. in Toronto; professional engineers Yvan Hardy of Hydro Quebec in Montreal; architect D. L. Thomas who is a construction specifications consultant in Vancouver.

Architect G. W. Miller, with Master Builders Co. in Toronto, is secretary-treasurer.

The other fifteen directors include five architects.

CITIES

Low-rise or high-rise — a world-wide debate

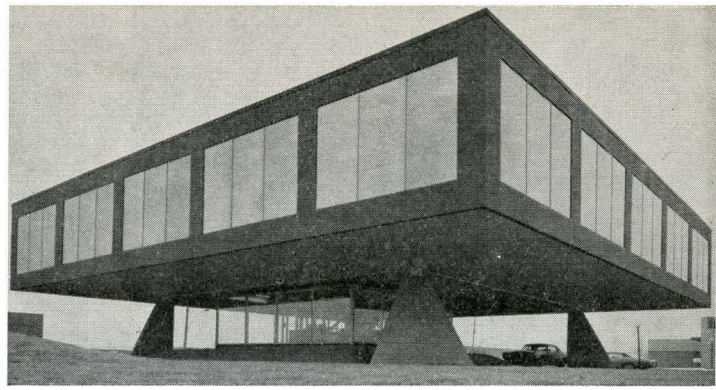
"Anti" high-rise fever seems to be increasing in more than just North America — with the latest height restriction coming from Australia. Aldermen in Kogarah, a garden suburb of Sydney accommodating 50,000 people, recently banned all buildings over three storeys after Dr. Kail Koeler, director of psychiatry in Kogarah's St. George Hospital, described results of a six-month survey in the area.

"The higher we go the madder we get," said Dr. Koeler who claimed that high-rise living with its attendant isolation and loneliness could provoke mental disorders and suicide.

At home the reasons may be

RAIC annual awards

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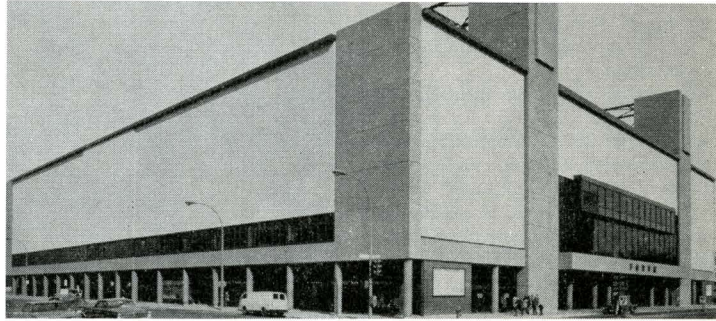


Harold Whyte photo

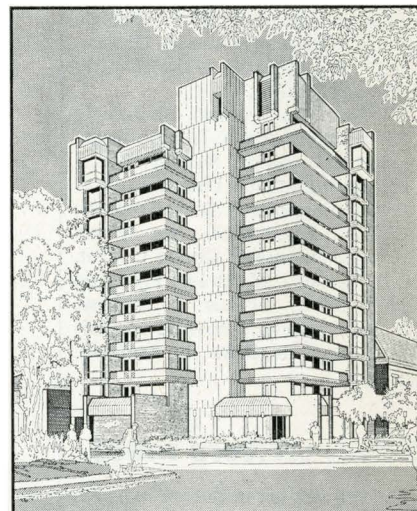
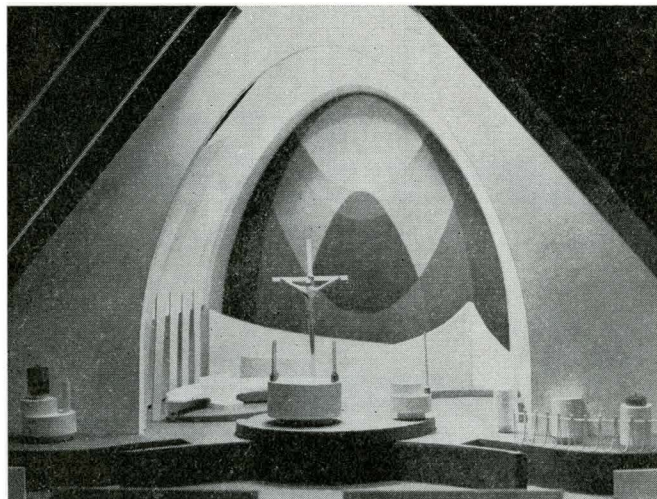
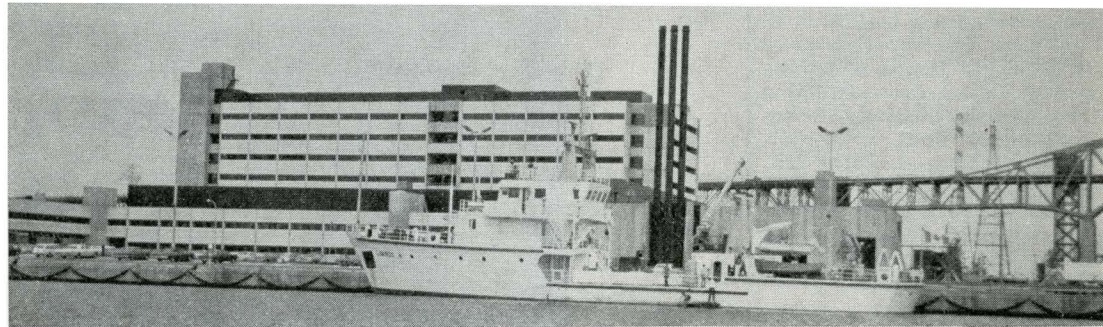
Mentions

(completed structures):

This page: general offices for Bramalea General Contracting Ltd., R. P. G. Pennington, Toronto (top right); Montréal Forum remodelling, K. Sedleigh, Stone & Webster, Toronto (bottom right); Canada Centre for Inland Waters, Wall & Yamamoto, Burlington, Ont. (below). Opposite page: Hoffman-La Roche complex, Vaudreuil, Marshall, Merrett, Stahl, Elliott & Mill, Montréal (top left); University of Windsor library, Bland Le Moyne Shine Lacroix, Montréal (top right); renovation for architects' offices, Sankey Associates, Montréal (bottom left); La Vérendrye apartments, Dupuis & Mathieu, Montreal (bottom right).



David Bier photo

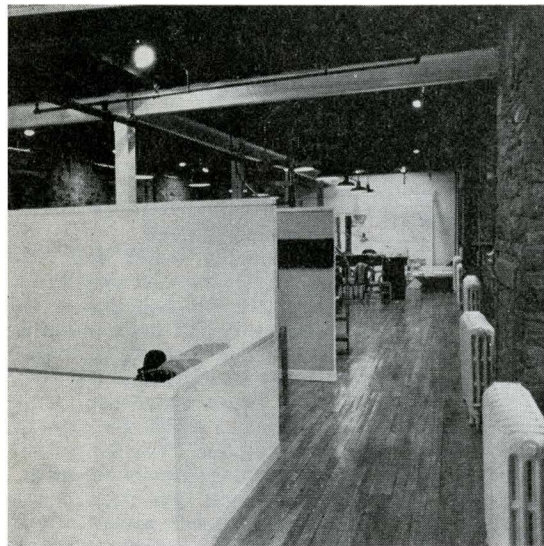
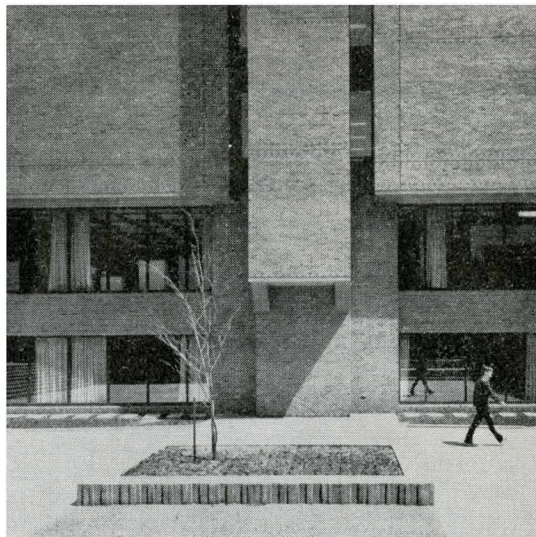
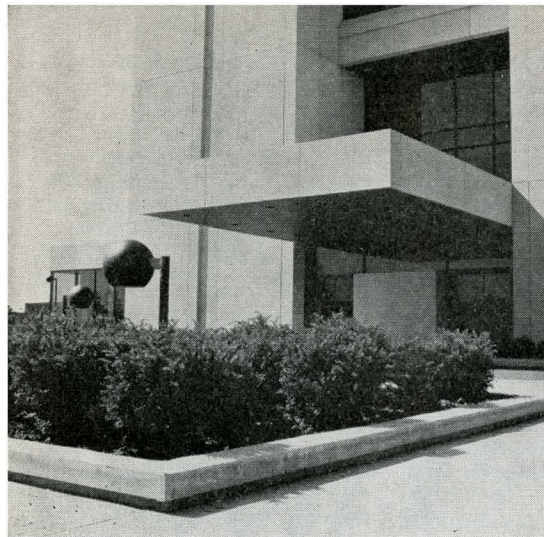


Mentions

(unrealized projects):

This page: Church at Ste. Adèle, Dupuis & Mathieu, Montréal (above); Prestige downtown condominium, de Belle & Koffman, Ottawa (top right); Midtown Manhattan transportation plan, van Ginkel Partners, Montréal (right). Opposite page: prototype environmental enclosure, Marani Routhwaite & Dick, Toronto (top left); Pneumatic closed loop transportation system, Trebron Holdings Ltd./Gordon Arnott, Regina. Chalet Ouellet, G. S. Bonetto, Montréal (not illustrated).





different but height control is also becoming a more common occurrence. Toronto city council has recently stipulated that part of the Yonge St. corridor be held to 40 feet or four storeys. A decision to keep the Annex area to 38 feet or in conformity with the rest of the neighbourhood is to be debated at the Ontario Municipal Board. Victoria, B.C., was really the Canadian pace-setter with the Mayor, Peter Pollen (A/C 6/3/72), announcing similar controls last year.

The Japanese seem, however, to be heading in the opposite direction. Existing height restrictions in some areas have been lifted and soaring land costs are forcing Japanese housing developers to build more apartments, says a new survey released by Japan's Construction Ministry. The survey shows that detached single family houses will comprise only 51.2 per cent of total housing construction in 1973 compared to 59.3 per cent last year. Houses there average about \$40 per square foot, up about 13 per cent from 1971. Nearly 55 per cent of all new housing units were built in Tokyo and the southern Kanto region last year.

An interesting sidelight is that with the surge of tall building, "high-rise" safety has become of increasing concern in Japan. All kinds of solutions are being tried. For example, in one high-rise hotel in Tokyo four outside balconies on each floor connected by ladders at the way up the building to allow easy evacuation in case of fire. Perhaps they don't have cat burglars in Japan!

Dead space

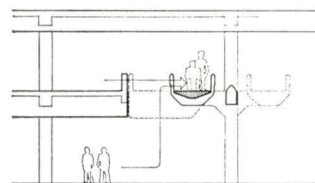
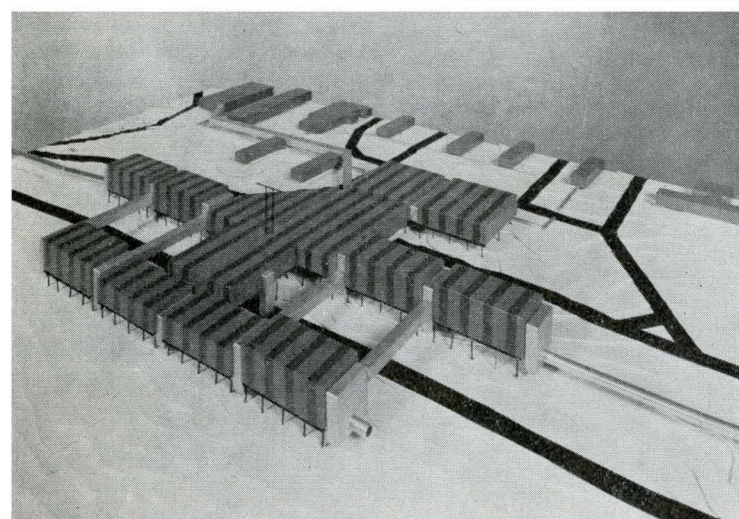
Some U.S. cities, according to the Vancouver *Province*, are opening up their cemeteries as recreation space. This is being justified on the grounds that "when there isn't enough space for the living, it is wrong to devote too much to the dead. . . . Hitherto sacrosanct graveyards are now available to cyclists, picnickers, joggers, baseball teams, fishermen, ice-skaters, nature walkers, and all those seeking to escape urban noise and congestion," the newspaper says.

Greening Toronto

The Toronto chapter of the Ontario Association of Architects is running an open competition for ideas to improve the city. It's conceived as "an outstanding example of citizen participation."

Anyone may submit ideas which "could be anything from turning a back alley into a summer playground, to a carefully considered downtown redevelopment concept . . . there is immense energy waiting to be harnessed by those who are prepared to make the well-being of the community their chief priority."

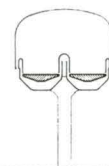
A "storefront" office and studio have been set up to help people



PASSENGER LOOP INSIDE BUILDINGS



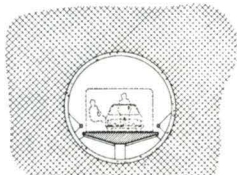
SINGLE DIRECTION RIGHT-OF-WAY



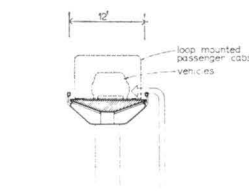
TWO DIRECTIONAL RIGHT-OF-WAY



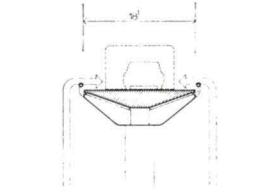
PASSENGER LOOP UTILIZING EXISTING TUNNEL



MULTI-PURPOSE LOOP UTILIZING EXISTING TUNNEL



MEDIUM CAPACITY URBAN MULTI-PURPOSE LOOP (REGIONAL LOOP SIMILAR, WITH HIGHER SPEED RANGE)



HIGH CAPACITY URBAN MULTI-PURPOSE LOOP

articulate their ideas. It's staffed by students from a variety of disciplines.

The best ideas (some 40 had been submitted by mid-month) will be exhibited at the city hall next month. Later it's hoped to publish them in book form.

Cities and cars

How to cope with increasing car traffic continues to be a major problem for big cities. Some recent developments:

- Milan, Italy is the latest city to experiment with a no-car zone. Its old city center has been closed to all but emergency vehicles, delivery trucks (for a few hours per day only) and private car owners with an off-street garage or courtyard to park in.

- The traffic-free enclave idea seemed to make sense for Canada, coming hard on the heels of the results of a federal government study of car exhaust pollution in this country's three biggest cities. Vancouver and Toronto have average daytime lead levels near busy streets more than four times higher than those declared dangerous for three-month exposures by the U.S. government. Montreal pollution levels were less acute; but the air was sampled further from the test streets in that city.

- Los Angeles, meantime, sees the answer to its car problems in a proposed 15% increase in the gasoline tax, plus the conversion of existing high-speed lanes on expressways to exclusive bus use. The proceeds of the tax would be used to further discourage car use — and to buy 8,000 more buses.

- One of Le Corbusier's more far-out proposals to erect buildings along roads and then put new highways on top of them is already happening in Rio de Janeiro.

- A report in *Nation's Cities*, a U.S. publication, foresees the Corbu scheme turned upside down as it were, with air rights for new buildings being sold over parking lots or even multi-storey municipal parking garages with high-rise apartments or office buildings above them.

The same report also suggests new parking facilities surrounding central business districts with shuttle bus service and horizontal (and elevated) people movers, such as are already in use at some major airports.

- For New York's Manhattan, part of the car problem is the 270,000 vehicles a day that just pass through (without stopping to pick up or unload passengers or goods).

CCURR to expand

The Canadian Council on Urban and Regional Research is considering broadening its field of activity and expanding its membership to become "more representative of all the active interests in its field. Among the contemplated changes: a new, and simplified name and more regional activities and the publication

of a "non-specialist journal of research and opinion."

ENVIRONMENT

Plans advanced for world conference

Preparations for the United Nations Conference/Exposition on Human Settlements (A/C, 10/72, 2/73, 6/73) moved ahead significantly during the past two months.

A small group of "experts" (mostly architects and planners in government service) met in Vancouver with officials of the UN and the Canadian Ministry of State for Urban Affairs to draft a preliminary prospectus for Confex '76, as the UN affair is now being called. Their suggestions have been endorsed by the newly established Governing Council for the UN Environment Program. In fact this council, representing 58 countries, has put Confex '76 at the top of its list of ten priorities for environmental action.

Confex '76 will focus on the awesome environmental degradation which the cities of the world face as a result of massive and accelerating growth in the next 25 years.

Some 3,500 million of a 6,500 million world population at the end of this century will live in communities of more than 20,000 people. They will be growing at twice the overall rate of population growth. Cities with populations of more than two million may be growing twice as fast again. "This Niagara of urban growth" will require more new buildings in the next 25 years than have been built hitherto in the whole history of man, says UNEP executive director Maurice Strong.

Rapid urbanization is going to be the critical issue of the last quarter of this century, says Lady Barbara Ward Jackson, a noted British economist and writer who chaired the "experts" meeting. "The major social problems of our age all come together in the settlements where human beings come together to live."

Strong says there is a compelling need to find practical solutions to these problems which all countries will face as this urban buildup gains momentum.

So Confex '76 will concentrate on doing rather than saying. A unique aspect will be its worldwide "exposition." This will not be an international trade fair or conference



Confex '76 planners: Mayor Art Phillips* of Vancouver, Urban Affairs Minister Ron Basford, program chairman Barbara Ward Jackson. Milton S. Hicks, photo.

exhibit area in the conventional sense. Instead, it will consist of a series of perhaps 100 (one or more from each UN member country) "experiments" in improving the physical quality of cities around the world and the quality of life of those who live in them. Some of these experiments are already completed or going on. Others will be worked out and actually built during the next three years. A few will be developed in theory only.

The emphasis will be on working models which have been tried and found to be acceptable. They could range all the way from a toilet which recycles its own water and needs no sewer connection (developed by Central Mortgage & Housing Corp. and Ontario Research Foundation over the past decade) to a complete new model city.

Who speaks for Earth?

Among the most important features of last year's Stockholm conference on the human environment was a series of seven "Distinguished Lectures." These were given by such international authorities as Barbara Ward Jackson, René Dubos, Thor Heyerdahl and Aurelio Peccei, under the sponsorship of the International Institute for Environmental Affairs.

The lectures and a series of introductory statements to them have now been published under the title, *Who speaks for Earth?**

Each lecture tackles one aspect of the environmental problem. Together they demonstrate how it is not just one simple problem but rather a complex series of interrelated ones.

The lecture on human settlements is likely to be of particular interest to architects. It was given by Aurelio Peccei, an Italian industrialist (Fiat, Olivetti), best known as a founder member of the Club of Rome, which sponsored the Limits to Growth study.

Peccei describes a follow-up project to Limits to Growth. Considering a doubling of the world's population over the next 30 years as inevitable, a research project is being undertaken "to explore whether, or under what conditions this multi-billion people society can occupy the earth with due respect to human ecology over time and with more equitable distribution of the total product among all its members—in other words, whether and how economic and ecological systems can be co-ordinated in a planetary context."

EDUCATION

New 'earn and learn' program

Metro Toronto's Humber College is the latest to try out an "earning while learning" program.

*George J. McLeod, Toronto, 1973, \$7.95.

Starting in the fall, ten third-year Interior Design students will work one day a week for thirty weeks in design offices, showrooms or some other phase of the field.

Toronto architect John Hoag, who co-ordinates a student "work" program at the University of Waterloo School of Architecture, however, questions the one day a week. He says it should "be of limited value other than for observation".

Towards a new look for high schools

Who are the "clients" of today's high schools? How can high schools be changed to accommodate the earlier maturity of this clientele and the changed world they live in?

*The Greening of the High School** is the published result of a conference that brought together 35 planners, educators and architects, directly involved with high schools.

Conference participants proposed "dejuvenilizing the school system," to acknowledge that high school students are biologically more mature and have been exposed to more information and experience than any of their predecessors.

Such reforms would shift the historic role of the high school as a central place for transmitting information to youth and convert it, instead, into a "brokerage house" for sending youngsters to and from the "real world experience." This would require a whole new order of physical settings. "We don't need the class and classroom anymore," says the report. "We need places where students can gather to deal with knowledge, to synthesize and make sense of their experience . . . private nooks for dialogue; amiable lounges for interpersonal contact; large halls for lectures, movies, plays and concerts; shops and ateliers and labs for the fabrication of works of art and science."

**The Greening of the High School*, by Ruth Weinstock, 88 p.p., \$2.00, Educational Facilities Laboratories, 477 Madison Avenue, New York, N.Y. 10022.

PEOPLE/PERSONALITÉS

Maurice G. Holdham, Hon. MRAIC

Honorary Membership in the RAIC has been conferred upon Executive Secretary



Maurice G. Holdham, MBE, CD, Wing Commander (retired). Holdham joined the RAIC staff in 1961 and this rare honor is in recognition of his distinguished achievements and service to the profession of architecture.

Le secrétaire-trésorier administratif de l' RAC, Maurice G. Holdham, MBE, CD, Wing Commander (retraité) a été élu membre honoraire de l'Institut royal d'architecture du Canada. M. Holdham est membre du personnel de l'IRAC depuis 1961. Ce rare honneur lui a été décerné en reconnaissance de ses services à la profession.

Former builder heads CMHC

Ottawa developer William Teron succeeds Herbert W. Hignett as president of Central Mortgage and Housing Corporation. The appointment is for a seven-year term.

Hignett had been president for nine years and has retired after working for CMHC a total of 27 years.

Teron, 40, started his business career as a federal government draftsman. He quit after four weeks to start his own homebuilding business in Ottawa. His best-known project is Kanata new town just outside the capital city. He sold out a few years ago to Canadian Interurban Properties which was in turn absorbed by Campeau Corporation. Since then Teron has been occupied with a major new development for the Kingston, Ont. waterfront. He also assembled the land for the federal government's new waterfront park in Toronto.

In a newspaper article just after his appointment was announced, Teron was quoted as seeing a need for "much community building to be done in the core of cities. . . ; they are poor places to raise children because they haven't been designed to provide all the things people need. Such cities should be broken into small neighborhoods, each with a different focal point, so everyone could feel 'that's my place.'

"When buildings, planning, technology, immense size and density are all-important and human achievement and human values are in the background, the city turns into an indifferent human jungle," Teron says.

Announcing the appointment, prime minister Pierre Trudeau noted that CMHC is in the process of changing from primarily a mortgage insurance institution to an instrument of social policy. "Housing," Teron says, "should be responsive to the social condition, not the other way around."

Architect M. J. Bacon is now a director of the Proctor and Redfern Group which he joined in 1961. Bacon was part author of the RAIC *Reflections on Zoning* report.

Ray Spaxman, assistant chief planner for the City of Toronto, moves to Vancouver this fall to become a director of planning in that city. The Vancouver post has been vacant since early spring when William Graham was asked to resign, following election of new 'reform' administration for the city.

Graham has gone into private practice in association with Wilfred Buttjes. He had worked for the city for 10 years, after holding a similar job in Saskatoon for eight years.

Garfield A. MacInnis has been elected to the Council of the Ontario Association of Architects, to fill the vacancy created by the death of Mr. Harry B. Kohl.

Among this season's recipients of honorary degrees were two architects:

Arthur Erickson, LL.D., Simon Fraser University (which he designed) because "he sees a stark and simple elegance that will integrate man with nature";

Raymond Moriyama, LL.D., Brock University, as "one who has done much to awaken our growing consciousness of the environment we share, and our responsibility toward it."

Moncton architect Gerald Gaudet is the new president of the Maritime Provinces Chamber of Commerce.

Douglas H. Fullerton of Ottawa has resigned as chairman of the National Capital Commission — a post he has held for almost five years — "to undertake a study of the most effective arrangements for the future administration of matters directly affecting the national capital and its development." It is a cabinet appointment.

OBITUARY

St. Catharines architect Lionel Hesson died last month at 83. His colleague, Norman D. Macdonald writes:

"For those of us in the Niagara Chapter, Lionel Hesson's death was something of an inevitable but sobering blow: Lionel was the first casualty among the founding members. He was also almost the last of that breed of oldtimers who worked without a secretary in a one room office (and therefore wrote few letters), terrified young salesmen with a practiced gruffness (then later specified their product), and made the rest of us green by turning out million-dollar jobs with one draughtsman.

"He chose his native St. Catharines for the opening of his own practice in the early '30s. First as Hesson and Collins and later as Lionel A. Hesson, the seemingly small office produced a prodigious amount of work and left Hesson projects in profusion throughout the Niagara Peninsula. He continued the practice through the lean depression years, when he produced nurses' residences for the Niagara Peninsula Sanatorium, the Lightning Fastener factory, numerous residences (including 'Foxcroft' the baronial manor of St. Catharines), and numerous school projects, particularly in the rural areas.

"Lionel Hesson won no Massey Medals, Masonry Medals, Citizen of the Year awards, did not appear

on television; but this community knows that Lionel Hesson was here and is the poorer for his passing."

COMING EVENTS

National convention for public housing tenants, Quebec City, August 31-September 3.

International Federation for Housing and Planning world congress, Copenhagen, Denmark, September 9-14.

Town Planning Institute of Canada annual conference, Charlottetown, P.E.I., September 11-14.

'Energy crisis: fright or fact' and 'How much will environmental protection cost the real estate development industry' are major topics at the Fifth National Real Estate Conference in New York, September 12-14. Write: National Real Estate Investor, 461 Eighth Ave., New York, N.Y. 10001.

Federation of Associations on the Canadian Environment, annual conference, Winnipeg, September 19-21.

Community Planning Association of Canada annual conference, Windsor, Ont., September 30-October 3.

Industrialized Building Exposition and Conference, McCormick Place, Chicago, November 27-29. Write: Inbex, 5 South Wabash Ave., Chicago, Ill. 60603.

CLASSIFIED ADS

Loom wanted

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Office space available

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Positions available

Architectural Co-ordinator wanted by the University of Waterloo. Duties will include promoting cooperative education to prospective employers, counselling students in the development of their career, and aiding employers in effectively recruiting and utilizing student employees.

We are seeking a university graduate with several years' experience. The successful candidate will preferably have been exposed to management training or personnel responsibility, and will possess good communications skills.

An attractive benefit plan is offered. Interested applicants should submit résumés to: Personnel Department, Recruiting Section, University of Waterloo, Waterloo, Ontario. N2L 3G1.

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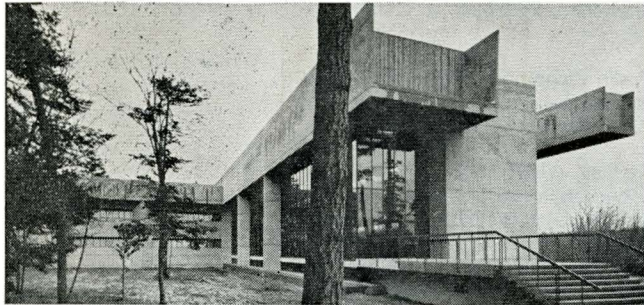
Contact: D. Shadbolt, Director, School of Architecture, Carleton University, Ottawa, Ontario K1S 5B6.

Concrete with **POZZOLITH** keeps building a great reputation in British Columbia.

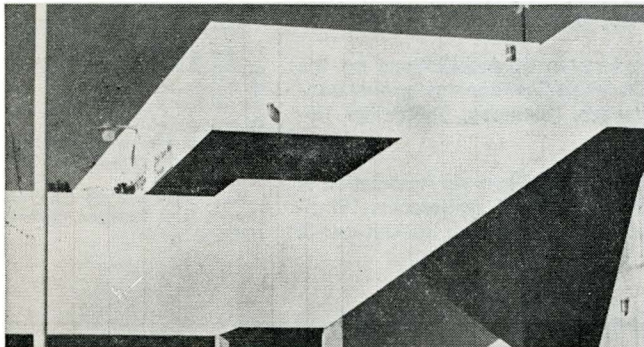
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the builder transform these concepts into striking realities because it makes concrete do what he wants it to do with repeatable predictability. That is why POZZOLITH is called "the performance admixture". For all the facts, ask a Master Builders field man in Vancouver, Calgary, Edmonton, Saskatoon, Winnipeg, London, Hamilton, Sudbury, Ottawa, Montreal, Halifax. General office and factory, Toronto, Ontario, M6M 3E4.



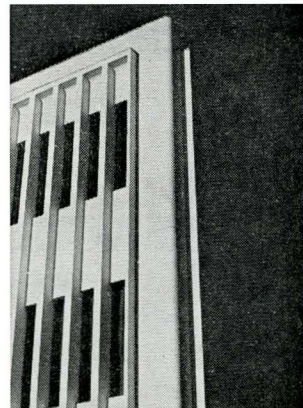
1—Bio Sciences Building, University of Victoria



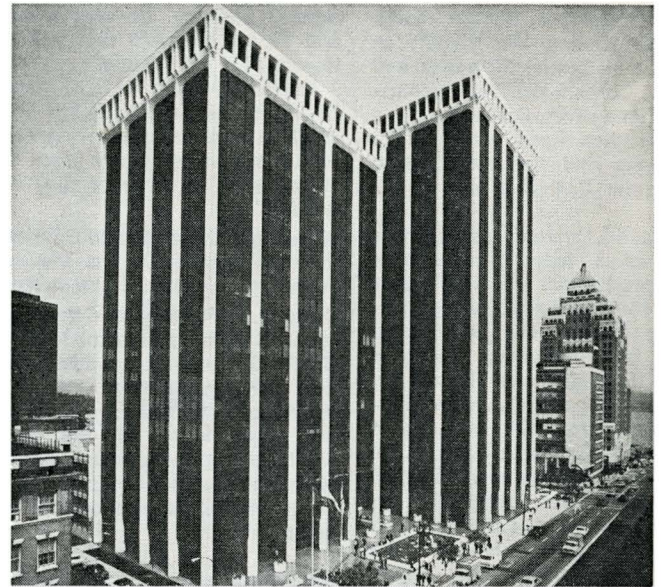
3—Park Royal Shopping Centre, Vancouver



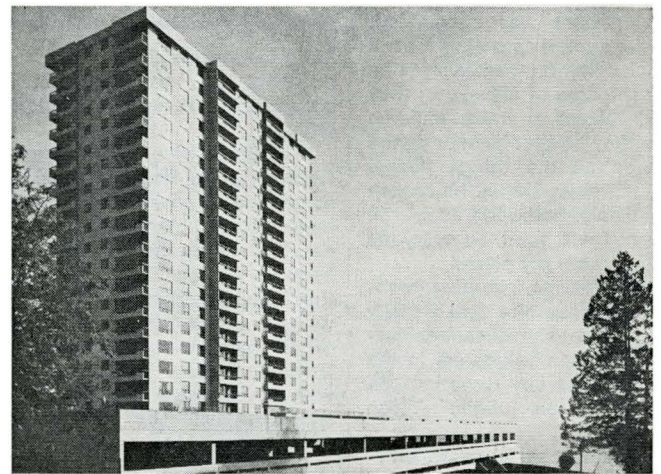
5—Orchard House, Vancouver



6—Canadian Arthritis and Rheumatism Society, Vancouver



2—Bentall Centre No. 1 and 2, Vancouver



4—Shorewood Manor, West Vancouver



7—Lansdowne Residence, University of Victoria

- 1—*Archit.*: Erickson-Massey
Eng.: Bogue Babicki & Associates Ltd.
Contr.: Farmer Construction Co. Ltd.
Ready-Mix: Ocean Cement Ltd.
- 2—*Archit.*: F. W. Musson
Eng. & Contr.: Dominion Construction Co. Ltd.
Pre-Cast: Bordignon Masonry
Ready-Mix: Canada Cement LaFarge Ltd.
- 3—*Archit.*: Wade, Stockdill, Armour and Blewett
Eng.: Read Jones Christoffersen Ltd.
Genl. Contr.: Laing Construction and Equipment Ltd.
Pre-Cast (Cladding): Superior Concrete Products Ltd.
Pre-Cast (Prestressed): Pacific Prestress Ltd.
Ready-Mix: Canada Cement LaFarge Ltd.
- 4—*Archit.*: Wilfred D. Buttjes & Associates

- Eng.*: Read Jones Christoffersen Ltd.
Gen. Contr.: A. V. Carlson Construction Ltd.
Pre-Cast Panels: Bordignon Masonry Ltd.
Ready-Mix: Canada Cement LaFarge Ltd.
- 5—*Archit.*: A. Debicki
Contr.: Westsea Construction Co. Ltd.
Struct. Engr.: McKenzie, Snowball Skalbania & Associates Ltd.
Ready-Mix: Ocean Cement Ltd.
- 6—*Archit.*: Wade, Stockdill, Armour and Blewett
Eng.: Read Jones Christoffersen Ltd.
Genl. Contr.: Grimwood Construction Co. Ltd.
Pre-Cast: Bordignon Masonry Ltd.
- 7—*Archit.*: Siddall, Dennis & Warner
Struct. Engr.: Read Jones Christoffersen Ltd.
Contr.: Farmer Construction Co. Ltd.
Ready-Mix: Ocean Cement Ltd.

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