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In this issue . . .

Minnesota architects affect the nation.

An invitation to Minnesota firms to submit examples of their work produced surprising results: 27 architects submitted 56 projects in 25 states and one foreign country. Many firms did not submit presumably many more projects. Nevertheless, the response was gratifying.

Although the Northwest Architect enjoys good support from its readers and advertisers, it does not have the resources yet to produce a 125-page issue. Therefore, it is necessary to divide the projects submitted in such a fashion as to present them in at least two issues. Many fair methods were attempted: alphabetical by architect, by locality, by state. In the end it was decided to use a great natural divider, the Mississippi. In this issue, then, are the projects west of the Mississippi, in the July/August issue those east of the Mississippi — and, if anyone has any diagrams on the layout of those famous Washington labyrinths, we'll publish them too!

Bernard Jacob
Hammel Named FAIA

Newest area Fellow of the American Institute of Architects is Richard F. Hammel, principal in the St. Paul firm of Hammel, Green and Abrahamson, who was invested during the recent AIA convention in San Francisco. He is one of 64 new fellows honored this year and total listing of the FAIA's now numbers more than 1,000.

Mr. Hammel, when asked about his background, reported that he graduated from the University of Minnesota School of Architecture in 1944 and the Harvard Graduate School of Design in 1947, then:

"Employee R. E. Windisch, Architect, Honolulu, 1947-50. Assistant Professor, University of Minnesota School of Architecture, 1950, under then head, Roy Childs Jones, and at same time assistant to Winston C. Close, who was University's Advisory Architect.

"In 1951 I accepted a position with St. Paul schools as consulting architect to the system which, under the direction of Forrest E. Conner, superintendent, was emerging from 20 years of neglect. St. Paul's system in 1951 still had three..."
schools heated by coal-burning stoves in the classrooms.

“Met Curtis Green, who was employed by Haarstick & Lungren at the time, was designer for the Chelsea Heights School addition and also teaching at University of Minnesota. Decided to become partners and in 1953 started Hammel and Green after first obtaining permission to use basement of Green house in Golden Valley. Need for space increased, satisfied indirectly by purchase, on credit, of clothes drier, thereby releasing space previously devoted to the hanging of newly laundered clothes for use of architects.

“Although it seemed in 1953 that almost all the buildings which would ever be needed had already been built, several commissions materialized over the years. The resulting work, our policy of free coffee and sweet rolls, the presence of Nancy Carlson, our secretary who was (and is) so pretty she didn’t have to type, resulted in an increase in the labor force.

“Bruce Abrahamson joined up in about 1956, fresh out of Harvard, the Rotch Fellowship and a tour with SOM. Other good men came. Some left, like Jim Stageberg, Gene Freerks, Bob Sperl, George Klein, Hugh Peacock, Dave Nordale, Doug Baird and Dave Bennett. Some like Ted Butler, Richard Babcock, Lee Dahljen, Wes Sorensen, Ken Schultz and Dave Martin stayed to lay the solid foundation of our practice. Others like Vi Rice, our bookkeeper, kept us mostly solvent and Mary Tighe mostly honest.

“So the team put together projects of many kinds, for clients in many places. Some have been favorably received by our peers, some by our clients. Projects such as the College of St. Benedict’s Art Center, Bethel Seminary in Arden Hills, Highland Park Junior High School in St. Paul, followed by Highland Park Senior High School, the House of the Good Shepherd in North Oaks, junior high schools in Austin and Albert Lea began to be created by our team and built by the fine workmen of our area.

“These and many others laid the background for recent projects such as O’Shaughnessy Hall and the Fine Arts Building at St. Catherine’s, the Edyth Bush Memorial Library and the Paul Giddens Learning Center at Hamline, the major new second-generation high schools at Mound and Hopkins (Lindbergh), buildings which our group have a good feeling about.”
Louis R. Lundgren, FAIA, president of The Lundgren Associates, St. Paul, was elected vice-president of the American Institute of Architects at its recent convention. A member of the AIA for 24 years, Lundgren is a past regional director of the institute and past president of the Minnesota Society of Architects. As chairman of the Commission on Environment and Design, he coordinates the work of 10 committees and the National Policy Task Force. He has been active in educational facilities planning, urban design and played a major role in the revitalizing of the St. Paul loop area. He has worked with many civic organizations and served some of them as an officer. He said his philosophy is to "work to make the institute a greater vehicle to utilize the many capabilities and talents for the betterment of society and the profession; to help improve our professional techniques so that all members, particularly the small office, can be more effective."
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**U of M's Center for Immigration Studies**

By Rudolph J. Vecoli

The purpose of the center is to facilitate and encourage research regarding the phenomenon of international migration and its consequences. The particular focus of the center has been upon those migrations of the eastern, central and southern regions of Europe and the Middle East.

The major undertaking to date has been the creation of a national research facility focusing upon ethnic groups deriving from those European regions and the Middle East. Since the lack of documentary collections of source materials has been a major obstacle to the study of these groups, the Immigrant Archives was established as an integral part of the University Library to house and service such collections.

The director of the center has been responsible for the gathering of materials for the Immigrant Archives. Through a staff of associates and research assistants a search has been conducted over the past seven years in the United States, Canada, and Europe for records which document the experiences of the immigrant-ethnic groups in all phases of life. Through splendid co-operation of these groups, valuable collections of church and organizational archives, personal papers, newspaper and periodical files, libraries of books and pamphlets have been donated as gifts to the Immigrant Archives. More than 20 ethnolinguistic groups are represented in the archives' collections.

The curator of the archives and his professional staff are responsible for the processing, care and servicing of these collections. The archives' holdings include more than 10,000 volumes, 1,500 reels of microfilm and 500 linear feet of manuscripts.

The Immigrant Archives constitutes a unique research facility.

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for scholars interested in the study of American immigration and American ethnic groups. Among the kinds of research projects to which its holdings lend themselves are the immigrants' role in politics, in the church, in labor and radical organizations; the origin and development of ethnic institutions; ethnic contributions to music, drama and literature; and relations among ethnic groups. Anthropologist, folklorist, geographer, historian, linguist, political scientist and sociologist can find materials for their researches in the archives.

The archives' collections have been extensively utilized in research, both by scholars within and outside the University of Minnesota. A number of doctoral dissertations have been based upon research in these collections and several more are in process. In addition, a number of books, numerous articles, as well as many seminar papers have drawn upon the archives for their data. Scholars have come from all parts of the United States and Canada, as well as several from Europe, to work in the Immigrant Archives.

A specific project administered by the center in conjunction with the Center for Research Libraries is the Ethnic Records Microform Project. It is the purpose of this project to develop a co-operative program for the systematic, continuing microfilming of the foreign language press.

In addition to the substantial support provided by the university in the form of staff salaries and physical facilities, the center has received a number of grants, initially from the Louis and Maude Hill Foundation, more recently from the National Endowment for the Humanities.

Rudolph I. Vecoli is Director of the Center for Immigration Studies.
Taliesin West, built in 1938 as a desert camp in Arizona by Frank Lloyd Wright, his associates and students, received the AIA's 25-Year Award.

This honor, given in recognition of architectural design of enduring significance, is restricted to structures at least 25 years old. Taliesin West, now the site of the Frank Lloyd Wright School of Architecture and the southwestern headquarters of the architectural firm that bears Wright's name, is the fourth recipient of the honor.

In keeping with Wright's penchant for adapting his structures to their environment, Taliesin West was built in low profile of massive redwood timbers and stones gathered on the desert mesa it occupies just below McDowell Peak near Phoenix. Conceived as a tent-like structure to be used only for short periods during mid-winter, the drafting rooms, studios, dining areas and other facilities at Taliesin West were sheltered by canvas stretched over wooden roof trusses and beams. During that period most of the architect's time was spent at Taliesin East, the house he designed in a rural area of southern Wisconsin.

As Wright and his associates came to use Taliesin West for increasingly longer periods each year, the complex of structures was expanded and some of its original components were replaced with more permanent materials. Translucent plastic was substituted for the canvas roofing. Still later, skylights of glass were set between trusses and installed along stone walls and in garden courts, expanding the view of the surrounding mountains and desert vegetation from the interior.

The redwood structures also were vulnerable to the ravages of the desert climate and Wright had begun to replace them with steel and to install decks of rein-
forced concrete before his death in 1959.

Describing the evolution of Taliesin West, Bruce Brooks Pfeiffer, curator of the drawings and archives at the Arizona institution says:

"When Mr. Wright was alive, not a day went by without his changing, improving, expanding these buildings and he left us a master plan for further development. He began to alter the landscaping within the compound of the buildings from desert cactus to more luxurious plants — establishing a citrus grove and palm garden and planting hibiscus, bougainvillaea, Italian cypress, grass lawns, flowering trees, gardens full of fresh cutting flowers for each season."

Wright's development plan is being executed by his widow, Olgivanna Lloyd Wright, who in 1932 was co-founder with him of the Taliesin Fellowship, which was conceived as a practical school for architecture and the allied arts and is now the Frank Lloyd Wright School of Architecture.

Taliesin West was chosen for the award by the AIA's 1973 Honor Awards Jury. In announcing the selection the jury's chairman, Pietro Belluschi, FAIA, said:

"The years have not diminished the elemental quality of Taliesin West. More than other works by this master it shows how to grasp the mood of the land and transform it into a place of harmony and beauty. Here one understands the magic of man's primeval relationship to nature."
CERAMIC TILE ELIMINATES HIGH COSTS OF SWIMMING POOL MAINTENANCE.

That’s what officials at Park Senior High School, Cottage Grove, Minnesota, concluded when they totaled the cost of maintaining their painted pool from 1966 to 1972.

The maintenance and contracted work included sandblasting, painting, cleaning paint chips from the filtering system, daily pool cleaning, etc.

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Regionalism

By Bernard Jacob

The New Regionalism in architecture is of course no regionalism at all.

Regionalism at its best is illustrated by Bernard Rudofsky's examples of autochthonous, anonymous architecture, such buildings as the log cabins of northern Minnesota featured in an earlier issue of this magazine. The single greatest determinant of a regional expression in architecture today is climate. The domestic architecture of each region responds most readily to climatological demands. Thus housing on the West Coast is distinctly different from that on the East Coast or from that in the South. Fish houses in Minnesota are a good example of regional architecture: a response to the climate (or finding recreation away from home but with color TV in the dead of winter). In the Twin Cities in particular the climate has found its expression in the elevated pedestrian street, the skyway. In both Saint Paul and Minneapolis second level streets enable the pedestrian to walk great distances without being exposed to the elements, which in the winter of course is the next best thing to being in Florida. These bridges, walks, streets nevertheless connect very normal buildings to each other, buildings which could readily exist (and in some cases do) in New York, or Chicago or Seattle or Baltimore.

Technological developments, economic pressures and demands, the universality of architectural images have increasingly reduced available options and desirable alternatives. With the exception of the very special architectural patron, the typical demand is for efficient, sympathetic and highly practical creations.

If there is no regional architecture per se, then there are no regional architects either. Out-of-state architects do work out-of-state. They affect the nation by designing good, efficient buildings, by designing imaginative, powerful and handsome structures. Some architects have gained national reputations because of a building type which they have refined to poetic proportions. Some architects have clients who operate in many areas of the country. Others are sought because of their known competence and imagination.

Whatever the motive or the specific incentives, Minnesota architects have broadened their practices to cover the country. Minnesota architects do not feel parochial or threatened or overlooked. They are well respected, sought after and often honored for their work. In an architectural world that is becoming increasingly smaller, Minnesota architects have established themselves solidly.
North Dakota

Boulger Funeral Home
Fargo, North Dakota

Seifert & Staszko Associates,
Architects Planners
Bloomington, Minnesota

The 75- x 85-foot, one-story building features a massive roofline, interlocked by five pyramid shaped structures defining the public area from the private areas.

Exterior materials feature buff stone veneer with vertical cedar siding accent panels, capped by a wide horizontal copper fascia. A walled-off court area provides privacy off the family room.

The building is a single-story structure with full basement, a large chapel divisible into two smaller spaces with adjacent family rooms, a central foyer-reception area with fireplace, work areas and drive-through garage, all located on the ground floor. Space in the basement is divided into a lounge area, display area, work and storage areas.

The building has a concrete foundation, pre-cast concrete floor slabs at the first floor level and a fire retardant wood framing system. The site includes a paved parking area.
This 300-unit Housing for the Elderly and Handicapped Apartment Development features a sunken courtyard with meeting and activity rooms opening onto it and an arcade of shops and service stores. The 18-story high-rise and the 7-story mid-rise buildings are connected at the court level by glass enclosed walkways.

Other, similar housing projects and hospitals are in Des Moines, Iowa, part of the Des Moines Model Cities Program, in Fargo, N.D., Wisconsin Rapids, Wis., Madison, S.D., Linton, Ind., Bismarck, N.D., Chariton, Iowa, and Grafton, N.D.
Iowa

This is the Des Moines Model Cities project mentioned on the opposite page.
Missouri

General Services Administration
Office Building
and U.S. Post Office
St. Louis, Missouri

Ralph Rapson and Associates,
Inc., Architects
Minneapolis, Minnesota

Frank D. Nemeth, Project Architect
Associate Architect, Sverdrup
and Parcel and Associates, Inc.
St. Louis, Missouri

Federal Office Building tower
and U.S. Post Office located at
grade with major postal terminal
and truck handling facility below
plaza. Architectural remain-
ners from the old Post Office occupy-
ing the site are reused in the
plaza design. Cruciform column
(40 feet high) lift the tower
above the plaza and Post Offi
North Dakota

Jamestown College Library
Jamestown, North Dakota

The Cerny Associates
Minneapolis, Minnesota

A learning resources center on the central grounds of a small liberal arts college. The client expected contemporary design and detailing to be sympathetic to turn of the century masonry structures on the central ground's periphery.

The building was formed and located to provide a broad edge for the larger mall space to the south. The staggered elements turning up to include Orlady Hall present the sloped back sides of the skylights to this area, now surrounded only by buildings of the same character. The new area to the north is bounded by the vertical faces having the skylight glass at the top in a rigid horizontal and vertical pattern. This treatment complements Westminster and Kroese Halls' horizontal expressions.

Circulation is provided through the building by way of an interior street. This route is historically a heavily traveled one between the union (Westminster) and Orlady Hall. Located along it are various uses and access points to the library proper and temporary classroom area.

Material usage on the exterior includes brick, limestone for bands and sills, copper fascias and roofing slates. All match the general range of materials of the older buildings.

May-June, 1973
Micronesian Islands

Prototype Hotels for Micronesian Islands

The Hodne/Stageberg Partners Inc.
Minneapolis, Minnesota

These are representative of several hotels the firm designed, one for Koror and one for Truk. They were conceived as a design "system" that could be built on a number of Islands in the Micronesia area. The "system" was generally a precast concrete frame, and wood infill panels, with exterior walls and roof covered with a panel manufactured in New Zealand and not unlike galbestos. Much of the construction was accomplished in New Zealand and barged into the islands (due to a scarcity of local skilled labor). Associates were with Ned B. Wiederholt, Architect, Honolulu.
Miller Melby & Hanson and Knutson Construction Company have formed a design/build team to construct this 22-story high-rise housing tower on the east bank of the Cedar River in downtown Cedar Rapids.

The project owner — Del, Inc., of Cedar Rapids — is financing the market rate rental project through the FHA 220 program. The building consists of 24,000 square feet of commercial space combined with tower entry and parking on the ground level. Above are 5-1/2 levels of parking ramp providing space for 208 cars. The point tower plan above provides community space with an outdoor riverview deck on its lowest level. Nineteen floors of housing with 8 units per level of efficiency, 1-BR and 2-BR provides for a total of 152 units.

The structure consists of post-tensioned column and slab structure with precast panel and glass exterior wall.

The project is anticipated to begin construction in the summer of 1973.

Miller, Melby & Hanson have an unusually extensive practice in this kind of work. Among dozens of projects are those located in many communities of Minnesota, Wisconsin and Iowa, as well as Springfield, Vermont, Old Town, Maine, Shelbyville, and Macomb, Illinois, and Baltimore, Maryland.
Nebraska

Jewish Community Center
Omaha, Nebraska

Baker Associates, Inc., Architects
Minneapolis, Minnesota

A 30-acre site accommodates this 104,806-square-foot building which serves the Jewish community's many-faceted activities.
This building was to house a fast growing bank in a western North Dakota town of 10,000 on a restricted site in unattractive surroundings. The "old bank" on east 75 feet of property was to stay in business until new complete and a six-year-old parking and drive-in building on west 75 feet of property was to be incorporated.

In the solution customer flow from all directions was collected in a central lobby. Departments were arranged so separate hours could be maintained. Plaza which replaced old bank serves as an area for special promotions and advertising by the bank, area for civic functions, hub of projected downtown redevelopment and an "oasis in arid western Dakotas."

The building is of concrete and masonry for security and feeling of solidity. Because of ugly surroundings glass areas are minimal and open to controlled view as screen walls, plantings and water create the building's own environment. Emphasis is on form and pattern as a contrast to "big sky" and endless prairies.
Since 1970 the Container Division of Hoerner Waldorf Corporation, St. Paul, has employed Bissell, Belair & Green, Inc., to design and manage construction for several plants and major additions across the United States. States where projects have been and are currently located include Massachusetts, Maryland, Iowa, Missouri and Colorado.

The design of the plants is product flow oriented and hence prototypical. In fact, two identical plants are presently being enclosed in St. Joseph, Missouri, and Denver, Colorado.

One exciting aspect of a broad-based practice is the necessary research into regional industry practices, both in terms of construction technique and construction administration. It gives a rare opportunity to work creatively with extremely diverse approaches to the problem of space enclosure.
Texas

The Villa Condesa
Brownsville, Texas

John Ivey Thomas/Thomas A.
Vecchi, Inc., Architects
Duluth, Minnesota

The Villa Condesa is a 57-unit
condominium townhouse
development in Brownsville,
Texas, located on the southern
tip of that state.

This project is located in a
modern residential district on a
main street in Brownsville. The
site is heavily wooded with tropi-
cal palms and southern Live
Oaks. Units are two and three
bedrooms, all with patios and
decks facing toward the inner
court, which has a swimming
pool. The auto access is around
the outside ring of the site with
carports on the outside and
walled yards with iron gates
leading into each unit.
Cost efficiency is one of the most important reasons for letting separate contracts. It's been proved over and over again. Both in privately financed construction and in public construction where funds come from taxes. In fact, many states and cities require separate bids. The mechanical portions must be separated from the general construction bids. The result is that competitive bidding for mechanical work reduces costs, increases efficiency. That's reason enough to let all mechanical contracts separately.
Texas

General Mills Restaurant
Dallas, Texas

Cottle-Herman Architects, Inc.
Saint Paul, Minnesota

The architect was asked to design a family-oriented restaurant as a prototype for a nationwide building program. The site is located on a major traffic artery scheduled for commercial development. Required facilities included a dining room to seat 275, a retail bakery, a food carryout counter, a gift shop and food production areas.

The building program required a system to allow varying the size of future buildings and to allow the future mass production of the basic structural elements. The client also requested that the architect design a building which would present a progressive image to the public, consistent with a high degree of quality and service.

Similar restaurants have been constructed in Columbus, Ohio, Kansas City, Kansas, and Scottsdale, Arizona.

This project won an MSA award in 1971; see pages 306-307 of the November-December issue, 1971.
Sauk Centre High just made plans for the 1997 class reunion

When the class of 1972 meets for their 25-year reunion in 1997, chances are they'll be running into an old friend — Romany-Spartan® Ceramic Tile.

The planners at Sauk Centre were not only thinking of this year's classes, but classes for years to come. That's why they chose Romany-Spartan tile, a product that's been going to school just about as long as any other surfacing material.

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Edgeley, North Dakota

G. S. Rutter Associates,
Architects
Moorhead, Minnesota

This a Catholic church, whose seating capacity is 400 persons. The plan includes the pastor's office, sacristy, large narthex, nave, sanctuary, Eucharistic Shrine and baptismal areas, all placed in the design to assure proper movement of clergy and worshippers with a maximal use of site and area contained.
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COST ESTIMATING AIDS
Reviewed by James A. Kellett

The reviewer, an architect and member of AIA and CSI, is a materials and specifications consultant to several MSA firms.

The time is long past when the "SWAG" method of construction cost estimating was adequate to the architect in managing construction costs through the design phases of his projects.

Sophisticated analysis of costs, from the very earliest stages, has become the rule to such an extent that Minnesota architects now have available several consultants with construction cost catalogs and EDP systems capable of rapid retrieval throughout the entire design process. The large projects demand this expertise and usually a client will serve himself well by authorizing the expenditure of fees for additional services in the cost consulting field, whether accomplished by his architect or by a consultant. Three excellent books exist to provide the architect with the "in-house" capacity of reasonably accurate estimates through the use of nationally or regionally based cost catalogs, depending upon his needs. Means Building Construction Cost Data is excellent for the more casual estimator. CPC's Building Cost File provides superior information for detailed cost analysis. The Dodge Manual for Construction Pricing and Scheduling adds productivity data to an excellent repertoire of cost data. The three provide a full range library.

I would recommend the use of any one of the three for specific applications but warn against simultaneous use in any combination. Pick the system that best suits your needs and stick with it, at least through a single project. Adjustment of pricing information should be based on your own superior knowledge of local practice and not on shopping your pricing catalogs.

BUILDING CONSTRUCTION COST DATA 1973, 31st Edition

This volume, familiar in architects' offices for so many years, should continue to hold a valued place on the reference shelf. While it is best suited, in this writer's opinion, to the range of estimates between the casual preliminary estimate and the semi-detailed cost analysis, it does provide enough detail for the careful estimate so often necessary in decision making.

The format is good. It is based on the 16-division CSI format and seems to be adequately cross referenced and indexed to make it easy to put together estimates on multi-trade assemblies. While installed costs of typical materials and systems are readily locatable, the minute detail necessary for estimating nonstandard or otherwise unique systems and assemblies is more difficult to find.

Means catalogs its fine series of estimating forms at the rear of the book. These forms, in my experience, work well with the book to provide a very usable estimating system. The book continues to provide an ample section on square foot, cubic foot and percent of total cost for building costs by building type as well as a great deal of explanatory copy, cross referenced to the cost catalog portion.

The old cut thumb-tab index, so handy through the 1971 edition, is still absent. However, the bold page-edge visual index...
used this year is far superior to the broken lines used to simulate a thumb index last year. The $9.50 cost is up from last year's version but the document improvements and an approximate expansion of 10% in material still make Building Construction Cost Data 1973 a real bargain.

BUILDING COST FILE 1973,
Central Edition
Construction Publishing Company,
Inc., Publishers,
Box NA, Two Park Ave., New
York, N.Y. 10016.
$19.95 Prepaid.

The newcomer of published cost information, Building Cost File 1973, is a unique and valuable estimating tool. This volume, prepared by McKee-Berger-Mansuelo, Inc., pioneer cost consulting firm, provides minute estimating detail in easy-to-use computer printout form.

The book is well formulated and indexed. Its greatest value would appear to be in its use by the experienced estimator in developing detailed cost analyses for decision making on materials and systems or for the preparation of detailed cost estimates based on completed construction documents.

Like the others, Building Cost File is organized in the 16-division format of the Construction Specifications Institute. One arrangement problem may cause the browsing user to overlook the cost data on site development (civil, plumbing utilities and electrical distribution) and Division 11, Building Equipment, located at the rear of the book. These are important areas where it is often difficult for architects to develop cost data without time consuming discussions with specialty contractors and manufacturers' representatives. To miss this material would be unfortunate.

Building Cost File does not provide the square foot and cubic foot cost data that other aids include but is so clearly a detailed costing guide that it attempts no further industry-wide analysis except the geographical adjustment index.

The file is available in four regional editions and special editions and special services are available. Whereas the adjustment index in the first edition included only cities in the region of publication, this year it includes 72 cities across the country and provides a composite index as well as indices for 24 major construction trades.

Estimating time saved by this book's ease of reference on one project alone can return its $19.95 cost many times over.

DODGE MANUAL FOR BUILDING CONSTRUCTION PRICING AND SCHEDULING 1973,
Annual Edition No. 8
Dodge Building Cost Services,
McGraw-Hill Information Systems Co.,
Box NA, 1221 Avenue of the Americas,
New York, N.Y. 10020.
$14.95 Prepaid.

McGraw-Hill provides a whole library on construction cost estimating, the Dodge Manual for Building Construction Pricing and Scheduling being only one. This pricing and scheduling manual is also organized around the CSI format and includes such explanatory text and adjustment indices as are necessary to make it a good estimating tool.

The document seems to be oriented a little more to the contractor-estimator because of the inclusion of productivity data by adding, alongside the unit cost data, typical crew sizes and their output. With present day changes in scope of practice, however, there will be more and more firms demanding this type of information in their cost control programs, especially the architect-construction manager.
and architect-developer firms. Even in traditional practice, the scheduling columns need not be considered redundant. This reviewer has used previous editions of the manual in checking contractors' schedules of values where labor versus materials costs and schedules are at issue and in reviewing contractors' pricing of change orders or claims for extra compensation where time is an element in the consideration. Also, one can visualize the use of the productivity data in evaluating a contractor's staffing of tight schedule jobs or trades.

As with the other manuals, this Dodge effort appears well indexed in an easy-to-use format. The CSI divisional numbers placed boldly at the outside upper corner of each page provide a quick and direct location of material for specific trade areas.

The adjustment indices in this volume are the most detailed of the three reviewed here. They include material, labor and total indices for some 50 trades and sub-trades in 82 U.S. Cities. This in itself should allow for exacting accuracy where it is necessary to adapt to specific localities.

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Peterson Wins Reynolds Regional

William S. Peterson of Columbia Heights, Minn., has been named as a regional winner of the 1973 annual Reynolds Aluminum Prize for Architectural Students at the University of Minnesota.

The Student Prize, administered by the AIA, is offered for the "best original architectural design in which creative use of aluminum is an important contributing factor."

Peterson won the student competition at the university with a concept for a housing system. The young architect explained that several intermediate design stages exist between the initial efficiency unit and the developed model. As the family size and income grow, more units would be added.

Peterson received a check for $350 from Reynolds. The design, along with those of winners from other participating schools of architecture in the U.S., will be entered in the national competition for the Reynolds national student architectural prize. The award carries with it $5,000 to be divided equally between the winning student and his school.

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Northwest Architect
As Robert E. Sheppard of U.S. Plywood nears the end of his term as president of the Minnesota-Dakotas Chapter of the Producers' Council, he looks forward to continued service to the PC in its relations with the architectural-construction industry. Past presidents, he said, give of their experience to the executive board, help with membership enrollment, serve on the nominating committee and otherwise aid progress of the council.

The chapter recently was rated tops in the country for its satellite program, in which members hold luncheon-seminars complete with individual exhibits and talks on products in cities throughout the area.

Active in the Construction Specifications Institute, he has done a study on specifying architectural hardwood panelling as a member of the CSI committee. This is part of work in which related aspects of specifying are detailed for the use of architects' offices.

Sheppard is also active in the Architectural Woodwork Institute and on the building committee of his church, now handling a million-dollar auditorium addition.

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Neal Announces New Space Dividers

A complete range to meet needs of schools and offices in space dividers has been announced by Neal Slate Co. A post-and-panel, low height partition and low-budget gypsum demountable wall are newest in the line. All have the Neal System 2 features. All units in the line are compatible and frame parts can be interchanged. Neal's address is 7975 Wallace Road, Eden Prairie, Minn. 55343.

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Pollution Packer Reports

Re-Use-A-Cubes have been announced by Pollution Packers to offset the high cost of one-time packaging in waste disposal. The heavy duty cube can be used with or without plastic liners and modular design allows for good stacking. All kinds of waste, wet or dry, can be packaged in the new system. Details can be had from The Tony Team, Inc., 7399 Bush Lake Road, Minneapolis, Minn. 55435.

New Guide to Masonry Reinforcing and Ties

Detailed for the architect and others in the construction field, a new guide to masonry reinforcing has been published. Illustrations and specifications are given for all types of partitions, walls, corners, intersections and anchorages to steel, wood and masonry. New products are also described. Copies can be obtained from AA Wire Products Co., 6100 So. New England Ave., Chicago, Ill. 60638.

Grace Reports New Deck Waterproofing

A new self-adhesive waterproofing membrane engineered for bridge decks, etc., has been reported by W. R. Grace & Co. Listed under the name Heavy-duty Bituthene, it is used to prevent water and chemicals from damaging the deck and supports. It has ability to withstand physical stresses. Details from Grace's Construction Products Div., 62 Whittmore Ave., Cambridge, Mass. 02140.
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