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September/October 1974

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Northwest Architect

1974 Minnesota Society of Architects'

Where People Choose to Live and

September/October 1974 Volume XXXVIII Number 6

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The Great City

Work

In this Issue . . .

we celebrate the city. We celebrate Walt Whitman's city, Connie Goldman's city, the city as a symbol, a mirror, an inevitability. Historic perservation, conservation, restoration, the renewal of buildings and cities have been intensified. Housing, shopping and recreational facilities are being built in the center cities and competition with suburban centers is keen and vigerous. Downtown is becoming a people place again. It always was a people place, of course. There have always been town squares, drugstores, bars, diners, and now we are learning to enjoy them again. We are beginning to hear the sounds of the city again - its cries, its celebrations, its people's songs and tears. There is inequality and justice, cruelty and love, and the renewed hope that a little bit of that inequality and little bit of that cruelty can be eroded today and tomorrow and the day after. To do this we, with Walt Whitman, must make our cities not just cities, but great cities.

Bernard Jacob

Editor

Bernard Jacob AIA St. Paul Building Saint Paul 55102

Associate Editor Fred Miller, Jr.

Graphic Design Frank Kacmarcik

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Northwest Architect Editorial and Management Committee

Emerson Scholer, chairman, Bernard Jacob, Phillip Mac Millan James, James Lammers, James Lindberg, Thomas Martinson, Gene Peterson, Fred Richter, Edward A. Sovik, John Weidt, Eric Wheeler.

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CRITICAL CHOICES

1974 MINNESOTA SOCIETY OF ARCHITECTS CONVENTION

Radisson Hotel - Downtown - Minneapolis

Visions for Future Cities Architectural Choices–Emerging Techniques Understanding Incentives and Tools for New Development The Return to the River Choices in Adaptive Reuse–Recycling of Existing Buildings Critical Issues in Designing for Peoples' Needs Housing and Community Spaces The State of Urban Design and Architecture Today

WEDNESDAY, OCTOBER 30 4:30 p.m.

Building Products Exhibition Hours 5:00 p.m. - 8:00 p.m.

8:00 p.m.

KEYNOTE ADDRESS: Mayor David Crombie, Mayor of Toronto

Mayor David Crombie, Mayor of Toronto Visions for Future Cities – The Toronto Experience

VISIONS FOR THREE CITIES

The four mayors will outline their views and visions for the future physical development of their cities.

Mayor Al Hofstede – Mayor of Minneapolis Mayor Larry Cohen – Mayor of Saint Paul Mayor Ben Boo – Mayor of Duluth

Moderator – *Jim Mildes*, Chairman, Minnesota Society of Architects, Urban Design Committee

Members of the Downtown Council of Minneapolis, members of operators 85 and other concerned groups will be invited to the evening program.

THURSDAY, OCTOBER 31 Morning

UNDERSTANDING INCENTIVES AND TOOLS FOR NEW DEVELOPMENT

A briefing on several important new financial tools available to the client and their architect to make projects possible, plus an overview of the mortgaging financial outlook.

Minnesota Housing Finance Agency

Jim Dlugosch-Director

Incentives to Outstate Economic Development and Industrial Development Bonds T. Trau-Director State Department of Economic Development

Special Development Districts "Tax Increment Financing" How They Work-Our Experience in Minneapolis

Tommy Thompson-City Coordinator, City of Minneapolis

An Overview of the Mortgage Financing Outlook

Rehabilitation Loans

Building Products Exhibition Hours 11:00 a.m. – 7:00 p.m.

Luncheon

LUNCHEON SPEAKER

Benjamin Thompson-Benjamin Thompson & Assoc., Boston, Massachusetts

Afternoon

"THE RETURN TO THE RIVER" Choices for Revitalizing and Enhancing the Mississippi River Corridor

A Study of How One City, Spokane, Dramatically Revitalized Its River Front

Spokane has become a dramatic example of the transformation of the river front from a railroad yard, skidrow district, into a revitalized river front. Mr. Adkison is acknowledged as being the individual giving leadership to this effort

The Citizen League's Call for the Designation of the River As a Critical Area Todd Lefko-Member Board of Directors, Citizens League

The River and Its Future

Tom Kelly-Director of Community Resources, St. Paul Jim Carver-Director of Urban Design, Minneapolis

The Burlington Northern Project

Representative-Burlington Northern Tom Hodne-The Hodne/Stageberg Partners

Main Street Project

Ben Thompson-Benjamin Thompson & Assoc., Boston, Massachusetts Moderator-Foster Dunwiddie, AIA

ANNUAL MEETING

Focus:

Architecture Goes Public Architecture–Its Public Responsibility Architecture–Increasing Public Understanding Architects–Shaping Public Policy

CHOICES IN ADAPTIVE REUSE—RECYCLING OF EXISTING BUILDINGS

A Survey of National Efforts-Adaptive Reuse-Recycling of Buildings William Brubaker-President, Perkins-Will, Chicago

The Owners Perspective

Charles Coyer-Developer Canal Square-Washington, D.C.; Butler Square, Minneapolis

Butler Square Building

Arvid Elness-Project Architect, Miller, Hanson, Westerbeck

Observations on Adaptive Reuse-St. Paul Old Federal Courts Building-Applications to Other Smaller Projects

Tad Stahl-Stahl, Bennet, Boston, Massachusetts Wayne Winsor-Winsor/Faricy, St. Paul

Moderator-William Scott, Chairman, Historic Resources Committee, Minnesota Society of Architects

Building Products Exhibition Hours 11:00 a.m. – 9:30 p.m.

FRIDAY, NOVEMBER 1

Luncheon

Afternoon

LUNCHEON SPEAKER

The State of Urban Design and Architecture Today

Wolf Von Eckardt-Architectural Critic, Urban Affairs Writer, Washington Post

CRITICAL ISSUES IN DESIGNING FOR PEOPLES NEEDS-HOUSING AND COMMUNITY SPACES

*The Issue of Density What is a Sociological and Economic Realistic Density

*The Issue of Designing for Human Needs People or Sociological Considerations

How Do You Determine What People Really Want

*Economic Realities

*What will be the Shape of our Communities in the Future

Steve Parliament-Chairman, Cedar Riverside Environmental Defense Fund Louis Sauer-Architect, Philadelphia, Pennsylvania

An architect noted for both his design and sociological sensitivity David Cooperman, Sociologist, University of Minnesota

Evening

Morning

	Ted Liebman-Director of Design, New York Urban Development Corporation George Dickey-Skidmore, Owings & Merrill, Chicago
	Moderator—AI French, Chief of Urban Design, The Cerny Associates, Minneapolis
4:30 p.m. – 9:30 p.m.	GUEST NIGHT
9:00 p.m 12:30 p.m.	CASINO PARTY
SATURDAY, NOVEMBER 2	ARCHITECTS—EXHIBITORS Football Kickoff Luncheon Paul Giel—Athletic Director, University of Minnesota
Afternoon	Football Game University of Minnesota Gophers vs Northwestern Wildcats
Evening	AWARDS DINNER DANCE



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ARK PLAZA HOTEL — Architect: Jack Alan Bialosky & Myron Mandors, ontractor; Turner Construction Company.

1820 RITTENHOUSE SQUARE – Architect: Richard E. Martin & Associates, Contractor: Morton Lamm & Associates.



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Fully Floating Decimal	V	V	V		
AC and Rechargeable Operation	V	V	V		

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The Great City

By Walt Whitman

The great city is that which has the greatest man or woman; If it be a few ragged huts, it is still the greatest city in the whole world.

The place where the great city stands is not the place of stretch'd wharves, docks, manufactures, deposits of produce,

Nor the place of ceaseless salutes of new comers, or the anchorlifters of the departing,

Nor the place of the tallest and costliest buildings, or shops selling goods from the rest of the earth,

Nor the place of the best libraries and schools — nor the place where money is plentiest,

Nor the place of the most numerous population.

Where the city stands with the brawniest breed of orators and bards;

Where the city stands that is beloved by these, and loves them in return, and understands them;

Where no monuments exist to heroes, but in the common words and deeds;

Where thrift is in its place, and prudence is in its place;

Where the men and women think lightly of the laws;

Where the slave ceases, and the master of slaves ceases;

Where the populace rise at once against the never-ending audacity of elected persons;

Where fierce men and women pour forth, as the sea to the whistle of death pours its sweeping and unript waves;

Where outside authority enters always after the precedence of inside authority;

Where the citizen is always the head and ideal — and President, Mayor, Governor, and what not, are agents for pay;

Where children are taught to be laws to themselves, and to depend on themselves;

Where equanimity is illustrated in affairs;

Where speculations on the Soul are encouraged;

Where women walk in public processions in the streets, the same as the men,

Where they enter the public assembly and take places the same as the men;

Where the city of the faithfulest friends stands;

Where the city of cleanliness of the sexes stands;

Where the city of the healthiest fathers stands;

Where the city of the best-bodied mothers stands,

There the great city stands.



Where People Choose to Live and Work

By Neil C. Gustafson and Mark E. Cohan

This article is excepted from the report "population Mobility in the Upper Midwest: Trends, Prospects and Policies," recently published by the Upper Midwest Council, Minneapolis. The summary and selected sections pertaining to the Twin Cities' area are reprinted here.

Summary

As birth rates and population growth decline, population movement becomes an increasingly significant aspect of population change. The shifts in place of residence and daily commuting patterns are usually expressions of where people have chosen to live and work. There is almost always a two-way flow of population, with some migration going even to those areas that have experienced a heavy out-migration.

A general summary of significant population flows between areas across the Upper Midwest is presented in Table 1. Movers are divided into three general, but not allinclusive, categories: single young adults, families with children, and retirement age persons, represented in the table by the letters S, F and R. It is important to keep in mind that these letters do not suggest equivalent volumes of population flow. While migration volumes and rates are generally highest among single young adults and lowest among retirement age persons, they cannot be adequately quantified from the available data for the types of areas presented here. The generalizations presented in Table 1 are based upon inferences drawn from a wide variety of Census Data and other sources.

Altogether about 309,000 more persons left than came into the Upper Midwest between 1960 and 1970. A net out-migration of population between 1960 and 1970 was ex-

perienced from areas highly specialized in agriculture, mining and transportation - results of declining employment. A net inmigration of population was experienced in and near most diversified urban service centers (especially where colleges were also located); within convenient commuting distances of the larger employment centers (particularly the Twin Cities); and in certain areas of physical amenities. While economic opportunities are the most important factors influencing migration, noneconomic factors are usually intermixed.

Migration rates decline as age increases, being highest among young adults and lowest among the elderly. Significant modifying factors are education and occupation. For example, middle aged, blue collar workers

with up to a high school education, tend to be significantly less mobile than young, college educated professional persons. Families with young children are attracted to the medium sized sub-metropolitan communities (about 10,000 to 50,000 population). Only one of 11 SMSA core counties in the Upper Midwest experienced a net im migration of this population group between 1960 and 1970 - Olmsted, Minnesota.

The larger cities, particularly Minneapolis and St. Paul, tend to function as "staging areas", attracting single young adults for later dispersal. Where in-mig rant single young adults are attracted to rental areas, often in the core cities, inmigrant families tend to purchase homes in the suburbs. In the Twin Cities Metropolitan Area, few core city residents move directly to new

TABLE 1 SIGNIFICANT UPPER MIDWEST POPULATION M OVEMENTS

FROM	то	Farm	Farm Service Center	Diversified Service Center	Metro- Core/Rental	Metro- Established Neighborhood	Metro- New Suburban	Exurban	Amenity Area	Outside Upper Midwest
Farm			R	SFR	S					S
Farm Service Center			F	SFR	s					SF
Diversified Service Center				SF	s		F	F	FR	SFR
Metro- Core/Rental				SF	SFR	F	F			SF
Metro Established Neighborhood					5	F	F		FR	SFR
Metro- New Suburban				F	s	F	F	F	FR	SFR
Exurban				SF	S		F			SF
Amenity Area				s	5					s
Outside Upper Midwest				SF	S	F	F			
S = Single Young Ad	dults	F	= Famil	lies with	n Child	ren	R = R	etire n	nent Age	Persons

September-October, 1974

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suburban housing developments; even fewer suburban residents move into the core cities. The Twin Cities Area experiences a heavy net inmigration from the Upper Midwest which more than offsets a net outflow from the Twin Cities Area to other major metropolitan areas across the United States.

Improved highway access is closely related to the patterns of population dispersal around urban centers, providing a greater range of residential choice without severing employment ties. Thus commutation often functions as a substitute for migration. Highway access can also stimulate the dispersal of jobs from urban concentrations.

Migration tends to benefit the individual in economic terms, and promotes the operation of the national labor market by attracting people from employment surplus areas to employment shortage areas. National studies suggest that people who migrate are inclined to be ambitious, enterprising and achievement oriented; thus, presumably, potential leadership is drawn from one area to another. Communities that experience net in-migration of population not only benefit from new human resources, but also tend to draw new capital investments that compound their growth momentum.

Whereas migration serves the general interests of the individual

and the national labor market, it seems to work in opposition to the orderly management of communities that experience rapid growth and to the vitality of communities that experience a continued net out-flow of population. In this sense, migration presents a classic example of counteracting principles: individual freedom and social obligation. Likewise, the policy recommendations set forth the by the study's advisory committee, express both a need to encourage maximum freedom for individuals to move or not move, and a need to enhance the quality of life for areas affected by population movements.



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nsus of Population, 1970, Final Report PC(2) - 2E

Migration to and from the Twin Cities Area

The Minneapolis-St. Paul Area is by far the largest urban concentration of the region, with a 1970 population of 1,813,647 or 27% of the Upper Midwest total. The Twin Cities Area serves as the major commercialcultural center in the region. The characteristics of population attraction from the region and dispersal of population to the region are symptomatic of this relationship.

The Twin Cities SMSA experienced a net in-migration of population for both the 1955-1960 and the 1965-1970 periods. Between those two periods, the volume of in-migration increased by 26% and the volume of outmigration increased by 44%, while the total population of the five county SMSA increased by 22.4%. The number of in-migrants declined from 138 to 135, while out-migrants from the Twin Cities increased from 110 to 122 per 1,000 population. Between these census periods, the volume of migration increased to and from all areas of the United States with one exception: the out-flow from the

100 population exchange with the Minneapolis-St. Paul SMSA are not shown. ***Population exchange = migration to the Minneapolis-St. Paul Area plus migration from the Minneapolis-St. Paul Area plus

Twin Cities to California declined by 7%.

Most of the in-migration to the Twin Cities area comes from the cities, towns and rural areas of the Upper Midwest, and most of the outflow goes back to those same areas. Between 1965 and 1970, 37.2% of inmigrants to the Twin Cities Area came from elsewhere in Minnesota; 30.3% came from Upper Michigan, Wisconsin, Illinois, Iowa, Nebraska, North Dakota, South Dakota and Montana; and the remaining 32.5% came from the other 42 states of the United States. Those who had lived in a foreign country in 1965, accounted for less than one percent of the Twin Cities Area population in 1970. Of those who left the Twin Cities Area to go elsewhere in the United States between 1965 and 1970, 31.5% went to other parts of Minnesota, 20.4% went to the nearby states mentioned above, and 48.1% went to other parts of the United States.

The two-way population exchange with nearby Upper Midwest areas shows a strong net flow toward the Twin Cities Area with one notable exception: a net out-flow from the Twin Cities to counties beyond the five-county metropolitan area. This is evident in the spread of growth patterns around the Twin Cities to the small towns and rural areas up to 100 miles distance or more. The in-flow is dominated by single young adults, while the out-flow is dominated by all other age groups.

The most significant shift in population movement between the 1955-1960 period and the 1965-1970 period was the out-flow of population from the Twin Cities Area to elsewhere in Minnesota which increased by 74% from 35,951 to 62,573. More than half of this out-flow from the Twin Cities Area went to the nearby counties of SEA's Four and Six, each of which experienced a net in-migration from the Twin Cities Area.

An important population exchange occurs between the Twin Cities Area and many of the major metropolitan areas across the United States. Among the metropolitan areas which experienced a population exchange (Continued on page 237)

I Love My Cities

By Connie Goldman





I love my cities in the early morning. Streets are empty. You can hear a single car moving down the avenue, the tires on the blacktop. It's just me and the early workers: the dawn deliveries, the newsboy, the postman, the all-night cafe, the 5 a.m. shift, the left-overs of the night. Quiet, private, unused, mostly sleeping cities. The people of my cities will soon return to the almost empty stage. It will be curtain time. The sun will rise on the real-life stage set and the cities will fill with the characters of this day's performance.

A city is buildings. Different spaces, different places and different paces because people make buildings come to life. The play begins. The dialogue begins:

"Good morning. Nice day, eh?" "Hi there. You look fresh and smiling this morning."

"Wow! Cold morning. I was lucky my car even started. Did yours?"

"Hey, Bill . . . can we meet for a quick lunch today?"

Downtown, shopping centers, office buildings, restaurants, shops, buses, cabs, streets. I love the city when the buildings take on life from the people.

My cities have beautiful lakes. They are something very special and rare. Lush green beauty surrounding them in Summer, later, the hues and smells of Fall, a crisp chill in Winter, melting ice as a prelude to the coming green of Spring. In all seasons the lakes come alive with the people that enjoy them. People together: swimming, sailing, fishing, skating, moving, sharing. People alone: reading, thinking, watching, sunning, jogging. The lakes are healers and helpers as well as playmates. I love the backdrop of the downtown skylines highlighting the privateness of the public lakes.

My cities are music, theater and

Connie Goldman is a reporter-producer on the news staff of Minnesota Educational Radio and a confirmed urbanist.







art. Performances in Northrop . . . 5,000 people. A concert on the Mall, 300 people. Music in the parks, art museums, converted garages, old warehouses. Theater at the Guthrie, at the Chimera, theater in the streets, plays performed in an abandoned movie theater, improvisations in a church. Art at the Walker, the Minnesota Museum and the Art Institute, crafts at the shopping center, sculpture in the schoolyard, weaving at the community center. Not just places . . . but people, things and feelings.

Holidays in the city. Buildings closed, city people are at home. Neighbors, families, friends. Chistmas. First the hustle and the hassle. Then a whole city of people gearing down to quiet and rest. Independence Day. The cities again on vacation. Bands, fireworks, picnics, races. Families, friends, kids, lovers. The people making a city look and feel different because it's a holiday.

The charm and pride of our cities. Some say the Minneapolis-St. Paul area is the best place in the country. A unique combination of urban advantages and rural simplicity. Properous, growing, building, forward looking. Concerned city councils, active, vigilant police forces, progressive educational systems. Good and growing cities. Clean fresh air, open spaces, green grass in abundance. The dialogue continues:

"These cities have the advantages of the country in the city".

Just far enough away from the crime of New York and the freakiness of Los Angeles."

"These are just little cities grown up. We've managed to preserve the best of that small town feeling."

I love my cities. The change of moods, change of pace, change of seasons. Many times I gaze with pride on the scenic beauty or the accomplishment of growth. It's easy and comfortable to stop there. But I won't do that. The script would be romantic and nostalgic and too many of the cities' people wouldn't appear











on my imaginary stage.

Our cities have their underprivileged, their ignored. All large metropolitan areas have their old, sick, intoxicated, poor, neglected, distressed and dispossessed. Their story is part of my cities too. Their problems, ambitions, hurts and needs are all part of the experience of my cities. With citizens pride, I'll acknowledge the beauty, comfort and opportunity of Minneapolis and St. Paul. With citizen's responsibility, I'll call attention to the need and pain that often go unheeded.

There is loneliness, harshness, sadness in my cities. There is dishonesty and privilege, unfairness and deprivation. We are not so much protected by a pure country air or a simple mid-west way to escape what a city creates and then ignores. It's part of the scenario of the city.

The sun sets with wonderful brilliance on the real-life stage set and the characters of the evening performance in the city appear on the scene. Magnificent lakes, stately skyline, spreading freeways. The old disappearing, the new taking over. The places are really the people; all of them. The fabric of a city is the life of its people. That's the real color, texture and dimension of my cities . . . Minneapolis and St. Paul.



Saint Paul's "Seventh Place"

A dramatic new plan to transform Seventh Street in downtown Saint Paul — from the Civic Center on the west to Smith Park and Lowertown on the east — into a nine-block "people place" has been proposed by Operation '85.

Operation '85 is an organization of business, labor and community leaders dedicated to redeveloping Saint Paul and committed to getting these plans carried out not later than 1985.

Basis for the proposal is the elimination of automobile traffic on Seventh Street and, as a result, the opportunity to reuse the street surface for people-oriented activity. The Seventh Place proposal is the first major step in Operation 85's comprehensive work program for redeveloping and revitalizing downtown Saint Paul,

The Seventh Place plan focuses on new downtown office parks, revitalized entertainment centers, expanded shopping facilities, in-town residential development, fringe area parking, green spaces and new ideas for efficiently moving people, goods and vehicles through the downtown area. Seven Place is the focal point but the project affects the entire downtown area. The plan is built upon a number of major developments that have been completed, are in the planning stages or are already under way.

According to the proposal, Seventh Place would serve as the spine connecting seven adjoining areas, each with its own identity.

Office Place — An in-town office park on the triangular shaped property between the Civic Center and St. Peter Street. The plan calls for offices and other related buildings set



The Metro Square as it appears today.

Seventh Place would provide a new setting for the Metro Square area and an entrance to the Lowertown development.



in a park-like atmosphere, with fringe area auto parking.

Entertainment Place — Theaters, restaurants, pubs and other entertainment in area that currently is location of Northstar and Orpheum Theaters. The proposal would permit use of the street surface for a variety of people-oriented entertainment activities.

Shopping Place — Stretching from Wabasha to Robert Streets, this section would continue as a vital retail center of downtown Saint Paul.

Commercial Place — Includes land in area bounded by Seventh and Tenth, Robert and Wacouta Streets. Would provide a new setting for the present Metro Square Building and be made up of both commercial and office facilities. It would also be the entrance to the Lowertown development.

Housing Place — Location for intown apartments and condominiums on the site of the present Union Gospel Mission.

Lowertown — Area being restored by Norman Mears to capture oldtown atmosphere, with contemporary comforts. Will include shops, restaurants and in-town residential facilities in Smith Park area.

State Office Place — New state government office building, possibly constructed over Interstate I-94. Could tie into Seventh Place plan for orderly flow of people from State Capitol complex to downtown Saint Paul.

The new concept to use the Seventh Street surface for pedestrain activity is based on a public decision to institute a new downtown street system that eliminates all auto traffic on Seventh. Under a recently approved long-range street program, Eighth Street would carry one-way traffic eastbound from Wabasha and eventually tie into I-94. Ninth Street would carry westbound traffic for the same section. Fifth and Sixth Streets would continue as one-way traffic movers through the Saint Paul loop.



The present-day terminus of Seventh Street.

An in-town office park is possible at the terminus of Seventh Place, where offices and related buildings could be located in a park-like atmosphere.





A portion of the present Seventh Street retail shopping area.

Seventh Place makes possible a roofedover, climate-controlled galleria or downtown shopping center.





Seventh Street divides much of the present entertainment area.

Seventh Place becomes a vital part of a variety of entertainment activities, offering an exciting setting for people activities.



September-October, 1974





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The AIA Asks Why? Why Not?

A presentation of environmental concerns by The Minnesota Society of Architects

This feature was prepared by Winston A. Close, FAIA, member of the Minnesota Society of Architects' Urban Design Steering Committee. Mr. Close is a principal in the Minneapolis firm of Close Associates. He was formerly also Advisory Architect to the University of Minnesota as well as professor in the School of Architecture.

The reader will recognize many of the scenes covered in this series. Some relate to planning. Some relate to administrative policy. Some relate to aesthetics. Some relate simply to good urban housekeeping.

Often the quick answer to "why" is lower first cost. The mobile home, for example, can be purchased more cheaply than a permanent house. However, apart from safety considerations, its useful life span is short and its annual maintenance cost is high. Careful husbandry of resources requires that, by way of broad policy, we think of buildings in terms of life — time cost, minimum maintenance, conservation of energy — rather than in terms of initial investment.

In our cities can we justify, and in the long run can we afford, the energy-consuming, moth-eaten urban fabric resulting from parking lots occupying more space than buildings? If there is no better functional solution, what can be done to make the parking lots visually acceptable?

What can the individual do to eliminate the "whys" and encourage the "why nots?" He can start by taking a constructive look at his own neighborhood, his own community, his own city. He can communicate with his councilman, his representative, his planning officials. With his neighbors he can exert a powerful influence on these decision makers.

The Minnesota Society of Architects invites your participation in the resolution of environmental concerns.



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Northwest Architect

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WALKS

Weavers' Guild Fiber Fair

The Minnesota Weavers' Guild is sponsoring a Fiber Fair in November to announce the availability of a largely untapped pool of talented amateurs and professionals producing decorative objects for home and office.

The fair will be in the Weavers' Guild headquarters, 427½ Cedar Avenue, Minneapolis, and the dates are November 15-17. The fair will be open to the public from 10 a.m. to 6 p.m. on November 15 and 16 and from noon until 5 p.m. on November 17.

In the past the guild has sponsored an annual Craft Fair that included other crafts such as pottery, stained glass, wood carving and silver included other crafts such as pottery, stained glass, wood carving and silver jewelry. Much of the sale items fell in the knick-knack category and appealed to a clientele that wanted to do a little pre-Christmas shopping.

However, with the increase in membership and a more favorable location, the guild has struck out on its own with a scale that is confined to fiber objects, all produced by guild members. Emphasis will be on quality — all items will be prescreened by a panel of experts and it is expected that the fair will have broad appeal.

Wall hangings, as well as other decorative items for the home, will be featured in this Fiber Fair. Wearing apparel, baskets, table mats and runners, quilts, rugs, pillows and fiber jewelry, all hand-made with care by experienced craftsmen, are a few of the other items which will be offered for sale.

The site as well as the sale may be of interest to many. The Weavers' Guild is housed in historic Dania Hall, an 88-year-old landmark in the Cedar-Riverside area of Minneapolis. The building was erected by the Dania Society, a benevolent association formed by the Danish-American community to help young Danish immigrants adjust to life in the United States. The building was done in a high Victorian electric style.

The Minnesota Weavers' Guild itself is getting on; it will be celebrating its 35th anniversary next year. Formed in 1940 by a nucleus of University of Minnestoa faculty wives, the organization has grown

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rom a membership of 30 to its preent 750. The main function of the uild is education, as each year there re some 850 registrtions for classes n weaving, spinning, macrame, reative stitchery, basketry, bobbin ace, tapestry, color and design. In line with the guild's aim of urthering interest in weaving and pinning, guild members exhibit and demonstrate regularly at historical sites and museums, schools, shopping centers, the Minnesota State Fair and many art and craft fairs. One of the big exhibits this year was the show the guild put on in September in the First National Bank of St. Paul. Weaving and spinning were also demonstrated by guild members in conjunction with that show.









SK3 Stacking Chair

Tuohy Furniture Corporation has added a new moderately priced stack chair to the SK series. The new **SK-3** combines the same quality and durability as the SK-1, and SK-2 arm chair.

CONTACT: Tuohy Furniture Corporation Chatfield, Minnesota 55923 507 867-4280 It's a great, very versatile little oak chair and the Tuohy people would be pleased to provide you with more information on **SK-3** as well as other fine furnishings.



Book Reviews

A HISTORY OF DESIGN FROM THE VICTORIAN ERA TO THE PRESENT; A SURVEY OF THE MODERN STYLE IN ARCHITECTURE, INTERIOR DESIGN, INDUSTRIAL DESIGN, GRAPHIC DESIGN AND PHOTOGRAPHY. By Ann Ferebee. Van Nostrand Reinhardt Co., New York, 1970. A COMPUTER PERSPECTIVE By the office of Charles and Dan Eames. Cambridge Harvard University Press, 1973.

Both of these books are attractive, rather superficial historical surveys, one of the "modern style" in design and the other of the origins and the first lines of development of the computer. The second is based on a three-dimensional wall-hung exhibition prepared by the Eames office for IBM and it essentially keeps this quality in the book, although it lacks the depth of the original. Its text, which its blurb dignifies by the name of essay, is fractured into hundreds of notes, captions, explanations and titles.

The first suggests that it was originally based on a series of slide lectures. It is a sort of miniature Bettman Archive. The text is all of a piece, occupying two-thirds of the pages. It has some continuity and points to make although, essentially, it is just a series of paragraphs about the accompanying pictures. It is these pictures, myriads of them, fascinating as they are and central as they are to the book itself, which seriously impair the volume. Their tiny size (2 x 2 module) and uniformity of dimensions make the larger subjects almost impossible to see clearly as well as having the effect of scrambling scale and significance. Cathedrals, bathrooms, oil paintings and toasters line up in a rigid drill to pass our eyes.

The Eames system of producing their book has cut this rigid time and space linearity and provided a much more interesting and actually more balanced and rational approach to the subject.

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STEP-BY-STEP PERSPECTIVE DRAWING FOR ARCHITECTS, DRAFTSMEN AND DESIGNERS By Claudius Coulin, Van Nostrand Reinhold Company

Reviewed by James B. McBurney

Jim McBurney is on the staff of Ralph Rapson and Associates, Minneapolis, and is also a well known architectural illustrator.

Unless you are a descriptive geometry buff you may be turned off at first glance by this book for it looks like an over-illustrated geometry text, but look again and puzzle through it a bit and you will find it holds some solutions to knotty problems faced when trying to illustrate the third dimension. Shadows, arches, vaults and circular stairs have been used since the Renaissance as hurdles for the student to test himself and show his stuff. Those days are gone for we are longer on technique and tools and shorter on time. However, an understanding of these methods is still basic to any illustration and the effort put into understanding of these methods is still basic to any illustration and the effort put into understanding them is rewarded with a feeling of certainty on the matter that only knowing can give.

The text is step-by-step as the title says and the line illustrations follow suit.

This might be a good supplementary text to a course in architectural illustration. It could be useful but is not stimulating in itself.

DODGE MANUAL FOR BUILDING CONSTRUCTION PRICING AND SCHEDULING 1974

By Dodge Building Cost Services, McGraw-Hill Information Systems Company, Box NA, 1221 Avenue of the Americas, New York, New York 10020:

Reviewed by James Kellett

Jim Kellett is a principal of Team 70 Architects, Saint Paul.

The continued excellence of this Dodge Pricing Manual is apparent to anyone who has used previous editions. The productivity data alongside unit cost data is especially



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useable by contractor estimators and architect-construction manager firms.

A "new wrinkle" this year is the Dodge Manual Computer Estimating Service offered in conjunction with the Construction Computer Services Division of Wood and Tower Inc. At reasonable cost, the estimator can utilize printed forms, not unlike those used for manual calculation, to provide computer input for automatic quantity extension, subtotals, pricing, sorting and printing our of his estimates. Blank input forms for photocopying are included and samples of computer output are shown.

Obviously a time saver, the computer estimating services accepts page and line numbers from the pricing catalog sections, but prints out descriptive detail in its reports. The output is built around the uniform construction index cost analysis format.

The manual is well indexed around the CSI divisional format with bold identification numbers placed for quick location of detail material. The adjustment indices cover 84 U.S. cities in 50 trade catagories and in-





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cludes a general adjustment index for each locality as well.

The 1974 Dodge Manual, with the new computer estimating service must be considered a superior reference and service for the practitioner.

BUILDING CONSTRUCTION COST DATA 1974

By Robert Sturgis Godfrey, Robert Snow Means Company, Duxbury, Mass., 32nd Annual Edition, \$9.50.

"Means" should remain a key cost reference at the architect's hand. It is still a valuable tool for the casual estimator as well as the man who works in daily contact with construction costs.

In this new edition, crew makeup and daily output columns have been added to the numerical data. These can aid the architect in cost analysis, particularly during construction administration phases. At \$9.50, this is an excellent handbook purchase. For a public meeting in a private place or a private meeting in a public place the Minnesota Society of Architects Speakers Bureau can provide qualified speakers in subjects of interest, e.g. residential architecture, trends in contem-

porary design, energy conservation, etc.. For information and requests, contact the Minnesota Society of Architects, Suite 100, Northwestern National Bank Building, Saint Paul 55101, telephone (612) 227-0761.

The big city is like a mother's knee to many who have strayed far and found the roads rough beneath their uncertain feet. At dusk they come home and sit upon the door-step. O. Henry

Athens, the eye of Greece, mother of arts and eloquence.

John Milton

Fields and trees teach me nothing, but the people in a city do.

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Louis Benoit chose sales as his career while attending St. Thomas College in St. Paul. Time passed and after 13 years of diversified sales experience in the commercial construction market Benoit changed jobs to join a manufacturing company as sales manager. It required only six months of experience in this area for him to realize the construction business was his field of interest. Once again he changed jobs, but this time to start his own company.

Benoit Inc. began in early 1970 as a one product company, in close consultation with local roofing contractors. Louis Benoit set out to market the Taper Foam System, a new concept of the time that involves taperind dead level roof decks with molded polystyrene. This system had to be acceptable to roofing contractors who are required to guarantee their work for at least two years and it had to be architectually acceptable from the standpoint of flexibility and price as well. Architects often select the Taper Foam System of tapering because of its high thermal efficiency as they are concerned with a client's future operating expenses in the face of rapidly rising fuel costs.

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Before – pool surface is cracking and peeling (see inset). Pool needs daily cleaning and filtering system maintenance once a week.

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OLD AS HISTORY – MODERN AS TOMORROW MINNESOTA CERAMIC TILE INDUSTRY

SERVICE IS KEY OF PRODUCERS' COUNCIL

By Craig Washing

Craig Washing is publicity chairman for the Producer's Council.

The Minnesota-Dakota Chapter of the Producers' Council is one of 51 chapters located in the nation's major market areas. Producers' Council is the national organization of manufacturers who produce structural steel, brick, interior furnishings, glass, lighting, heating, ventilating and air conditioning equipment, etc., used in construction.

The local chapter serves as a vital link among the architects, the manufacturers, the rest of the construction industry and government at national and local levels. It serves the entire industry — owners, architects, engineers, contractors, home builders and many others. Producers' Council is the only association dedicated to programs and service for the entire building products field with a local membership consisting of a wide cross section of quality building products manufacturers.

Since our local chapter is charged with the responsibility of providing a channel of communications with, and service to, design professionals and other key individuals in the construction industry who influence the selection of building products, our year's activities include:

1. Participation in the MSA activities as a chapter. This association goes on throughout the year with informational meetings, product exhibits and related sponsorship. It reaches its crescendo at the annual MSA convention.

2. More than 30 "Satellite" table top display meetings in outlying cities in Minnesota, Wisconsin, North Dakota and South Dakota.

3. Joint meetings and product exhibits with the Consulting Engineers Council, Construction Specification Institute, National Association of Home Builders, Associated General Contractors, Building Owners and Managers Association and General Services Administration.

The 1974-75 officers of the Minnesota/Dakota Chapter are: President — Oscar Hallgren of MacArthur Company First Vice-president — Bob Snow of Snow-Larson, Inc. Second Vice-president — David Ziegler of Pella Products, Inc. Treasurer — Don O'Reilly of Johns-Manville Sales Co. Secretary — Ken Kline of Owens Corning Fiberglas Corp.

These men, along with more than 50 other local members, are dedicated to serving all phases of the con-



Seated are (left) Pres. Hallgren and Vice-Pres. Snow and standing are (l-r) Sec. Kline, Treas. O'Reilly and Vice-Pres. Ziegler.

struction industry, becoming an integral part of the total "building team."

Combining local expertise with nationally organized traveling seminars is yet one more step in Producers' Council's desire to offer a total education opportunity. 1972 saw such a nationwide seminar, offering practical solutions to "The Energy Crisis." It was the local chapter's responsibility to organize, and in turn host, the seminar in Minneapolis. The seminar, long before energy conservation acquired national prominence, was extremely successful, thanks mainly to the wide response by members and invited guests. The seminar demonstrated another full-fledged effort by Producers' Council to keep the "pipeline" flowing with information from manufacturer to user.

We all may occasionally ask, "Who

needs Producers' Council?" The answer, quite simply, is "anyone, from all levels of construction, dedicated to using the best st material in the best manner at the best time." Hopefully, that desire is shared by all of us; consequently, we all need Producers' Council.





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September-October, 1974

New Products



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Panel Literature Available For Office Design Planning

Complete descriptive literature on planning for the use of movable space panels is available from the Neal Slate Co. The attractive space panel dividers are often used commercially in office situations or in schools. Included in the catalog are general planning considerations for those responsible for office expansion, operation and design along with complete specifications. For a copy of the material contact the Neal Slate Co., 7975 Wallace Rd., Eden Prairie, Minn. 55343.



Brochure Emphasizes Flexibility Of Pyrotex 100 Ceiling Tile

Maximum flexibility in ceiling tile design is described in a new Pyrotex 100 ceiling tile brochure. The product is well illustrated with photos and ceiling tile layouts. Pyrotex 100, created to avoid some restrictions imposed by ordinary ceiling panel modules, is particularly suitable for institutional specifications, where moveable partitions or lighting fixtures might pose problems. The brochure is available from Simpson Timber Co., 900 Fourth Ave., Seattle, Wash. 98164



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Where People Choose to Live and Work (Continued from page 211)

of a thousand of more persons with the Twin Cities Area between 1965 and 1970, there was a *net in-flow* of population from the nearby metropolitan areas of Chicago, Milwaukee, and Omaha and eastern metropolitan areas of Detroit, Cleveland, Columbus, New York and Norfolk.

A *net out-flow* of population from the Twin Cities Area to the following metropolitan areas was experienced between 1965 and 1970:

in the East — Boston, Philadelphia, Pittsburgh and Washington;

in the Midwest — Cincinnati, Indianpolis, St. Louis and Kansas City;

in the West — Denver, Seattle-Tacoma, Portland, the San Francisco Bay Area, the Los Angeles Region, San Diego, Phoenix and Honolulu;

and in the South — Dallas, Houston, Miami and Tampa-St. Petersburg.

Among these metropolitan areas, Miami, Tampa-St. Petersburg, Houston, Phoenix, San Diego and Portland each experienced a population flow *from* the Twin Cities of two to four times the flow *to* the Twin Cities Area.

Thus the greatest population exchanges experienced by the Twin Cities Area are with other parts of the Upper Midwest, whose net flow to the Twin Cities Area more than offsets a net flow from the Twin Cities Area to other metropolitan areas across the United States.

Within the Twin Cities Area, the sections with the greatest influx of new residents during the 1965-1970 period were in the newly developing suburban areas of single family homes, and in areas with apartments and rental units. The areas with the lowest influx of new population were in established, stable neighborhoods, primarily in the core cities and close-in suburbs.

Residents of the two core cities are generally much less mobile than are suburban residents, primarily because the cities include singificant numbers of older and less affluent persons. City residents who move tend to move to other parts of the core city in which they already live. Some established areas of close-in suburbs also find that a majority of persons who move in are from the core cities. There is little movement





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September-October, 1974

from the core cities directly to the newer, developing suburban residential areas. Generally, less than 20% of new residents in outlying suburban developments come from the core cities.

Suburban residents, tend to move to farther-out suburbs; very few suburban residents move into the core cities. Only in the southwestern edge of Minneapolis and the southeastern corner of St. Paul, as many as one-fourth and one-third, respectively, of those who moved in came from suburban areas in the 1965-1970 period. Overall, 5.3% of Minneapolis' population and 4.3% of St. Paul's population in 1970 was living in the suburbs in 1965. Single young adults from outside the Twin Cities Area are inclined to move into rental areas in the core cities; previous non-metropolitan families are overwhelmingly inclined to locate in suburban sections of the metropolitan area.

Single young adults from outside the Twin Cities Metropolitan Area are concentrated in apartments and rental units south and southwest of downtown Minneapolis and in southeast Minneapolis near the University of Minnesota. Previous non-Twin Cities Area families with children concentrated in largest numbers in the newer developing single family residential communities south of the Minnesota River in the 1965-1970 period, including Burnsville, Apple Valley, Egan and Lakeville. To a lesser extent, Bloomington, Edina, parts of Minnetonka Village, Brooklyn Park, Blaine, Coon Rapids, Cottage Grove, and Woodbury have attracted non-Twin Cities Area families. Families coming from other major metropolitan areas in the nation, tend to settle in the south and southwest suburbs of Minneapolis. In-migrant families to the Metropolitan Area from other parts of the Upper Midwest, are more scattered in their living locations, probably because they tend to be more familiar with the Twin Cities Area, and may have friends or relatives in a variety of locations.

Commutation

The dispersal of population outward from the Twin Cities Area and other urban centers in the Upper Midwest has been closely related to improved highway access. The automobile allows people a great range of residential choice from a specific employment location. Thus, commuting in many cases can become a substitute for migration. People may commute 50 miles or more in an hour by automobile, whereas when the Upper Midwest

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was settled and towns established that same distance one-way required a hard day's journey. This new accessibility has brought rapid population growth to many rural areas, that are near urban centers. The extent to which energy shortages and higher gasoline prices may inhibit this trend, is not yet clear.

Among these commuting zones, that around the Minneapolis-St. Paul Area is by far the most extensive and affects the largest population. At least 10% of the employed population living as far north as central Pine, Kanabec and Mille Lacs Counties, works in the Twin Cities Area distances up to 80 miles and more. Most of Wright and Sherburne Counties fall within this 10% commuting zone, as do parts of Benton, Stearns, Meeker and McLeod Counties. Parts of LeSueur, Rice and Goodhue Counties also fall within this zone, as well as most of Pierce and St. Croix Counties and parts of Polk and Burnett Counties. Wisconsin.

Some of the commuters are longtime small town and rural residents, seeking to supplement or replace their earnings with more lucrative employment opportunities. These include small and part-time farmers and small businessmen. But a large and increasing share of the commuters are recent in-migrants who have moved outward from the fivecounty SMSA, seeking open space, a "good environment" and lower cost single family housing.

Effects of Migration

Studies have consistently found that most migrants tend to be happier and experience greater economic success as a result of moving. But whether migration causes the improvements in well-being, or whether migrants would have succeeded in any case, is subject to question. The success of migrants may in large measure be related to the characteristics of the migrants themselves. Migrants tend to have higher levels of educational attainment and employment status, tend to be more ambitious, enterprising, and achievement-oriented than those left behind, but may often be slightly below the average in social and economic achievement levels of areas to which they migrate.1

Material progress after moving, however, is usually rapid. In the case of rural to urban migrants, the earnings experienced by such persons are equal to the urban non-movers within five years.² For the most part, those who migrate tend to see migration as a type of long-term



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personal investment, which may have short-range costs but long-term benefits. The evidence suggests that the individual migrant is personally rewarded in both economic and social terms after having moved.

From a national perspective, migration can be a somewhat haphazard response to a shifting labor market, drawing workers from labor surplus areas to areas of labor shortage and from lower income areas to higher income areas. The better educated, more skilled, and younger workers are attracted to certain areas — and this tends to have a multiplier effect. The migrants themselves expand local markets and the local quality of labor, which in turn attracts more employment and more migrants in a self-generating growth momentum. As an example, the scenic areas of Oneida and Vilas Counties in northern Wisconsin draw upper middle income persons from Chicago and Milwaukee, who bring with them new capital investments, which in turn attract a wide range of retail and service functions.

The net effect of migration is to take the young, educated and skilled from one location and transfer them to another, leaving behind an older, less well-educated, and less-skilled population with dimished productive potential, which is not conducive to employment expansion or coping adequately with changing community needs. Thus, as an area experiences continuing out-migration over several decades, it may lack the human resource capability and attributes necessary to make economic adjustments.

Those communities that experience in-migration also experience new investment capital that take advantage of an expanding qualified labor force. Growth compounds growth — the rich areas become richer, while the poor areas

become relatively poorer - and the disparity between communities and between regions within the United States becomes more pronounced. Thus, while population mobility usually operates to the advantage of the individual and promotes national economic processes, it may threaten community viability and equality of opportunity.

Effects of Energy Shortages on Settlement

At first glance, energy shortages would seem to encourage increased



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development in core cities and a cessation or reversal of population dispersal trends. On the other hand, the desire of many Upper Midwest people to live in small towns or rural areas, in single family homes with abundant open space, shows no evidence of abating.3 This desire for a rural or small town environment has often been compromised with the employment opportunities of growing urban areas.4

It seems unlikely that those who have made decisions to live farther from their place of employment will reverse that decision because of fuel costs alone.5 Those who own second homes are potentially not likely to sell them, but may use them more infrequently and stay for longer periods.⁶ Energy shortages will probably slow the rate of urban dispersal, at least in the next few years, and increase the utilization of much vacant land in and near urban centers. But a low density style of life in the Upper Midwest is an established phenomenon and many residents will likely find a way to achieve this objective by reducing the numbers of trips, driving smaller cars and making other sacrifices as necessary.

On the basis of average distance to work and to essential services, urban service centers from about 5,000 to 20,000 population may be more transportation efficient than either rural areas or metropolitan areas. If so, these urban areas may continue to attract new employment and experience significant new growth as a result of energy shortages. The Twin Cities Area may experience a reduction of exurban sprawl and more compact development in nearby suburbs through utilization of vacant parcels, but little if any increase in core city densities. It would be premature, however, to view these possible effects of energy shortages on Upper Midwest settlement patterns as more than speculation.

References

1. Morrison, op. cit., pp. 10-18. 2. Richard F. Wertheimer II, The Monetary Rewards of Migration Within

the United States, The Urban Institute, Washington, D.C. 1970. 3. Upper Midwest Council Newsletter,

August 1973

4. Glenn V. Fuguitt and James J. Zuiches, "Residential Preferences and Population Distribution: Results of a National Survey," paper given at the Annual Meeting of the Rural Sociological Society,

College Park, Maryland, August 24, 1973. 5. Anthony Downs, "The Impact of the 'Energy Crisis' Upon Future Urban Development," New York Times Sunday Magazine Section, March 17, 1974.

6. For every 1,000 Upper Midwest households in 1970, there were 67 second homes owned by Upper Midwest resi-dents. Each of the Upper Midwest states exceeded the national second home rate of 46 per 1,000.

Anna Bliss Show

Anna Campbell Bliss, formerly of Minneapolis, will exhibit her modular serigraphs at the Suzanne Kohn Gallery, 1690 Grand Avenue, St. Paul Thursday, October 10, 1974 through October 31. There will be a public reception for th artist Thursday evening, October 10 from 7:00 to 10:00 p.m. at the Gallery. Regular gallery hours are 1:00 to 5:00 p.m. Monday through Saturday.

Mrs. Bliss received her degree in art history from Wellesley College and Master of Architecture from the Graduate School of Design, Harvard University, followed by a year of study and travel in Europe. She studied color and design with Gyorgy Kepes at MIT and with Josef Albers in his Minnesota seminars, continuing her painting and printmaking studies with Cameron Booth, Malcolm Myers and other Minnesota artists while practicing architecture and interior design.

She has been visiting lecturer on color at the University of Utah, California State Polytechnic College, Salt Lake Art Center and the Walker Art Center, where she also served as guest editor of the *Design Quarterly*.

Among many awards for architecture and interior design were selection for the "New Talent Annual" and traveling show by Art in America in 1959 and regional winner for the midwest and mountain states in the Celanese Interior Design Comptition in 1961. Most recently her design for a Scottsdale residence was selected by the National Society of Interior Designers for exhibition at Expo '70, Osaka, Japan.

Her paintings and prints are in the collections of the Metropolitan Museum, NYC; the Art Institute of Chicago; Marriott Library, Salt Lake City; Fine Arts Museum, University of Utah; Salt Lake Art Center; Minami Gallery, Tokyo and many private collections.



September-October, 1974



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SOUNDS OF THE CITY

Robert Whitman, exhibitor and participant in the Walker Art Center's current show, "Projected Images," created, on September 21, a live sound happening over radio station KSJN which — in his mode — rivaled his namesake's poem on page 205. Whitman had approximately 30 persons stationed at telephones throughout the Twin Cities and had each one, on Connie Goldman's command "You're on the air," give a live extemporaneous report of what he was perceiving at that moment from the spot where he was standing. We heard a reporter read John Ruskin's famous admonition, posted in the Baskin-Robbins Ice Cream store in the IDS Center, "There is hardly anything in the world that some man can't make a little worse and sell a little cheaper. The people who consider price only are this man's lawful prey." We heard a report from a laundromat where two young women were helping a foreigner with the washing machines. We heard about a man in a diner in Saint Paul putting ketchup on his omelette. We heard about a wedding party emerging from a guest house on Summit Avenue. We heard some heated arguments behind a liquor store in Minneapolis, etc. This is the city. Walt Whitman would have been jealous of this production and John Des Passos would have envied it. Rather than writing about it, Robert Whitman let the city be itself. It was a touching, wonderful and exhilirating program. B.J.



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