



STATE Wisconsin
CITY Madison COUNTY Dane
DATE October 16, 1953

ARCHITECTS' ROSTER QUESTIONNAIRE

TO EVERY ARCHITECT IN THE UNITED STATES AND ITS POSSESSIONS:

The Architects' Roster is maintained by The American Institute of Architects as a service to the profession as a whole and to agencies of the United States Government. Every registered architect, whether or not a member of The Institute, is eligible for inclusion in the Roster. The Institute maintains custody of the Roster, keeps it up to date and in good order for use. The Roster is available to any representative of the Government and to representatives of foreign governments in Washington. Reference may be made to The Architects' Roster in negotiations with government agencies and other interested parties. Experience with the Roster since its establishment in 1946 has shown its usefulness. Growing out of an earlier Register of architects qualified for public works, The Roster provides at The Octagon an accurate, current record of the qualifications and achievements of members of the profession. It allows a positive and helpful response to requests for factual information on architects, and in that way constitutes a service to the profession.

The American Institute of Architects assumes no responsibility for the accuracy of statements made in this Questionnaire. The obligation to maintain this record as a current description of an architectural firm rests with the firm, and supplementary record forms are available for this purpose.

PARTNERSHIPS SHOULD MAKE A JOINT RETURN ONLY.

Original and one copy to be mailed to THE ARCHITECTS' ROSTER, The American Institute of Architects, 1735 New York Avenue, N. W., Washington 6, D. C. One copy to be retained by the author.

1 a FIRM (Indicate whether individual, partnership or corporation.)

Mead and Hunt, Inc., Harold C. Balch, Engineers and Architects

b FORMER FIRM, Name if any Harold C. Balch, Registered Architect

2 STREET ADDRESS 550 State Street Phone 5-7253
6-0387

3 YEAR ESTABLISHED 1913

4 PERSONAL HISTORIES OF PRINCIPALS

Furnish data complete, but keep to essentials. Describe each member of firm individually; if more than four, append extra sheets.

| | | |
|---|---|---|
| | Harold C. Balch, Architect | Mead and Hunt, Inc., Consulting Engineers |
| | NAME OF PRINCIPAL | NAME OF PRINCIPAL |
| a | Date of Birth August 27, 1890 | (see attached information) |
| b | Place of Birth Neillsville, Wisconsin | |
| c | Education High School, Neillsville, 1908 | |
| | 1908-1910 University of Wisconsin (CE course) | |
| | 1910-1911 Armour Institute (Architecture) | |
| d | Experience Prior to Own Practice | |
| | (Give architect or architectural firm affiliations, positions held, and approximate dates of employment.) | |
| | Draftsman, Walter Burley Griffin, 1912 | |
| | Chicago, Illinois (3300 Monroe Bldg.) | |
| | White & Christy (Summer 1911 - Draftsman) | |
| | Chicago, Illinois | |
| e | Commenced Practice January, 1913 | |
| f | Number of Years a Principal 40 | |
| g | Architectural Licenses (Give State, Number and Year issued.) | |
| | Wisconsin - 1917 | |
| | Wisconsin - 1932; A1109 - by examination | |
| | Illinois - 1931; #2365 | |
| | File NCARB (Exhibits & examination) 1930 | |
| h | Membership in Professional Societies and Offices Held | |
| | Patron, Beaux Arts Atelier, Madison, 1915-1920 | |
| | Madison Art Association | |
| | ATA 1915-1925 | |
| | Madison Architects Association | |
| i | Service in World Wars I and II (Append data if desired.) | |
| | 1918 - HQ Intelligence Office - 86th Division | |
| | Prof. in SATC University of Wisconsin | |
| | C-137603 | |
| j | Civic Activities - Madison, Wisconsin | |
| | Plan Approval Adviser Nakoma Subdivision, Madison | |
| | Fire Prevention Committee | |
| | Citizens & Realtors Group Zoning Regulations | |

5 REMARKS CONCERNING QUALIFICATIONS OF FIRM

(This space is best used to present qualifying information such as number of employees, amount of office space, financial information and other information presumed of interest to a prospective client. Append extra sheet or use back of this form, if necessary.)

Re: Firm of Mead and Hunt, Inc.
Employees vary in number from thirty to fifty-five (30-55)
Occupies 4800 square feet of office space
For financial status, please contact First National Bank of Madison.
Firm, founded in 1900 by Daniel W. Mead, professor of engineering at
University of Wisconsin and author of several engineering texts,
has been active in civil, electrical and mechanical engineering
fields.

6 CONSULTANTS USUALLY EMPLOYED: (If a member of your staff, so state.)

(Members of Staff of Mead and Hunt, Inc.)

a STRUCTURAL ENGINEERS

Name of Firm or Individual Willard W. Warzyn
Business Address 550 State Street, Madison, Wisconsin

b HEATING AND VENTILATING ENGINEERS

Name of Firm or Individual E. C. Youngman
Business Address 550 State Street, Madison, Wisconsin

c ELECTRICAL ENGINEERS

Name of Firm or Individual Bert W. Johnson
Business Address 550 State Street, Madison, Wisconsin

d PLUMBING OR SANITARY ENGINEERS

Name of Firm or Individual Leo F. Pratt - O. J. Knechtges
Business Address 550 State Street, Madison, Wisconsin

e LANDSCAPE ARCHITECTS

Name of Firm or Individual
Business Address

f OTHER (Civil, Foundation or Mechanical Engineers, Appraiser, Equipment Designers, Valuators, Industrial Lay-out Engineers, etc.)

Don B. Johnson, Structural - 550 State St.
Earl A. Krueger, Structural & superintending 550 State St.
O. J. Knechtges, Sanitary Water & Sewage Treatment do
H. J. Hunt, Investigations & Reports do
H. W. Mead, Mechanical and Equipment do
see list of personnel of Mead and Hunt, Inc.

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8 PHOTOGRAPHS/PHOTOSTATS

Not mandatory. Submit herewith photographs or photostats (size 8" x 10") of several buildings for which you have been the Architect, as follows: (N.C.A.R.B. presentation acceptable.)

.....
.....
.....
.....
.....

9 COLLABORATION WITH OTHER ARCHITECTS:

a As an established individual firm, are you willing to collaborate with other firms or individuals?

Yes

b Are you and/or your firm agreeable to accepting supervision of work where designs are produced by others—
vice versa?

Yes, depending on particular project subject and conditions under consideration

c List firms (or individuals) with which you are associated at present or have an associate or working agreement:
(Please furnish a letter from the other party verifying the association.)

John J. Flad & Associates, Architects, 908 West Johnson St., Madison, Wis.
Carl Ames, Architect, 3625-A West North Avenue, Milwaukee, Wisconsin
(Associated with above only on individual projects)
.....
.....
.....
.....

10 THIS QUESTIONNAIRE MAY BE MADE AVAILABLE TO GOVERNMENTAL AGENCIES

yes no

The undersigned hereby certify that the above is a true statement of facts.

Name of Firm or Individual Mead and Hunt, Inc., Harold C. Balch - Engineers & Architects

Signed by all Principals:

Harold C. Balch
.....
.....
.....
.....

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·50·YEARS·OF·ENGINEERING·AND·ARCHITECTURE·

· CIVIL · MECHANICAL · ELECTRICAL · HYDRAULIC · RESEARCH · ARCHITECTURAL ·

· MEAD · AND · HUNT ·, INC. ·
· HAROLD C. BALCH · REGISTERED ARCHITECT ·
· ENGINEERS · AND ARCHITECTS ·
· MADISON 3, · WISCONSIN ·

DANIEL W. MEAD

The year 1950 marks the Fiftieth Anniversary of the engineering firm of Mead and Hunt, Inc. It is fitting, therefore, to pay a brief tribute to the founder of the company, Daniel W. Mead, who, during a long and active lifetime, left a lasting imprint on the members of this organization, on the young men whom he taught as Professor of Hydraulic and Sanitary Engineering at the University of Wisconsin, and on the engineering profession as a whole.

Mr. Mead was born in Fulton, New York, in 1862 and received his degree of Bachelor of Civil Engineering from Cornell University in 1884. In 1885 he was appointed City Engineer for the City of Rockford, Illinois, in charge of surveys, grades, sewers, bridges and street improvements. In 1887 he became Chief Engineer and General Manager of the Rockford Construction Company. In this capacity he constructed a number of water works, electric plants, sewage systems and bridges in Illinois, Indiana, Iowa and Wisconsin.

In 1900 Mr. Mead established an office in Chicago as a Consulting Engineer, specializing in hydraulic work, flood control, drainage and irrigation, water works, sewage plants and hydroelectric plants.

In 1904 he was appointed Professor of Hydraulic and Sanitary Engineering at the University of Wisconsin under an arrangement whereby he could maintain his rapidly growing engineering practice. In order to facilitate this dual activity, he moved his office from Chicago to Madison. As a teacher and researcher he made many contributions to the science of engineering. He contributed numerous papers to various engineering societies and publications. He became the author of four books, namely: WATER POWER ENGINEERING; CONTRACTS, SPECIFICATIONS AND ENGINEERING RELATIONS; HYDROLOGY and HYDRAULIC DESIGN. The books became standard texts in the engineering profession.

During his lifetime Mr. Mead acted as consultant or chief engineer on a great many projects. He was consulting engineer for the Flood Control Committee of Dayton, Ohio, and for the Miami Conservancy District, also of Ohio. He was a member of the Flood Control Board of the Yellow River, China, sponsored by the American Red Cross. He was made Chairman of the Board of Review of the Chicago Sanitary District. Last, but not least, he was a member of the Colorado River Board from whose findings the Hoover (Boulder) Dam ultimately resulted. He continued on as a member of the Advisory Board during the construction of the project.

Mr. Mead was a member of many technical societies and was the recipient of many honors, among these being the Chanute Medal, the Norman Medal, the Fuertes Medal and the Washington Award. He served as President of the American Society of Civil Engineers and was, for many years, a director of the First National Bank of Madison, Wisconsin.

In 1932 the University of Wisconsin conferred the degree of LL.D. upon Professor Mead and appointed him Professor Emeritus in Civil Engineering.

The memory of Daniel W. Mead will always be a source of inspiration to the members of the staff of Mead and Hunt, Inc.



1862-1948

MEAD AND HUNT, INC.

HAROLD G. BALCH - REGISTERED ARCHITECT

Engineers - Architects

TELEPHONE 5-7253 550 STATE STREET

MADISON 3, WISCONSIN

Since the founding in 1900, the firm of Mead and Hunt, Inc., has won wide recognition as specialists in Hydraulic Engineering.

However, during the past two decades our firm has developed a competent staff of engineers and technicians who are now engaged in many diversified fields as the illustrations in this brochure will indicate.

We therefore invite you to discuss with us any engineering or construction project that you may have in mind.



President

POWER

HYDRO - STEAM - DIESEL

BUILDINGS

PUBLIC - INDUSTRIAL - COMMERCIAL

SEWAGE - INDUSTRIAL WASTES

WATER SUPPLY - PURIFICATION

POWER TRANSMISSION

FLOOD CONTROL

IRRIGATION - DRAINAGE

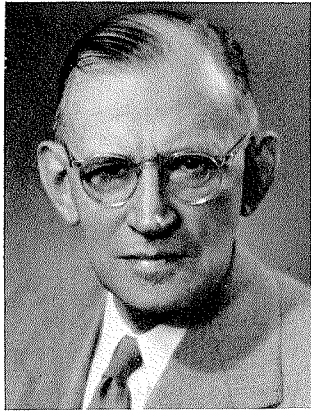
RESEARCH

HYDRAULIC - HYDROLOGICAL

ANALYSIS - REPORTS

APPRAISALS

OFFICERS AND STAFF MEMBERS



HAROLD W. MEAD

HAROLD W. MEAD
President



HENRY J. HUNT

HENRY J. HUNT
Vice-President

Mechanical and Civil Engineer, specializing in steam and power plants, heating, industrial layouts and design. Member of American Society of Mechanical Engineers, American Society of Civil Engineers, Wisconsin Society of Professional Engineers.

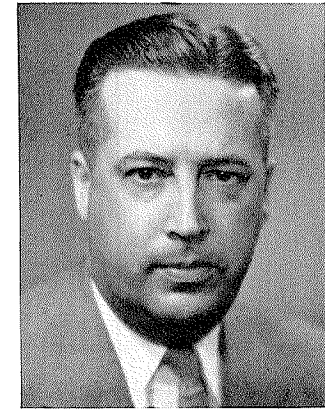


HAROLD C. BALCH

HAROLD C. BALCH

Registered Architect—building design, specifications, construction. Member Madison Architects Association; Madison Arts Association; Theta Xi Fraternity.

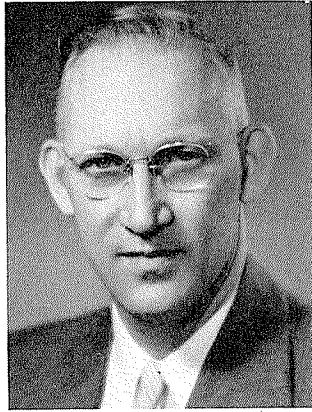
E. W. GRADT



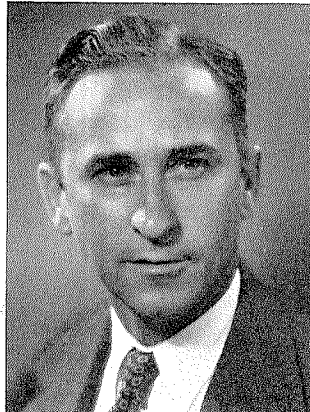
E. W. GRADT

Chief Structural Engineer, in charge of structural design, hydraulic structures, industrial layouts and design, power plant design. Member of American Society of Civil Engineers; American Welding Society; Wisconsin Society of Professional Engineers; Civil Engineering Corps United States Naval Reserve.

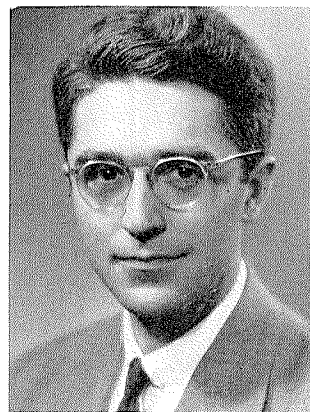
OF MEAD AND HUNT, INC.



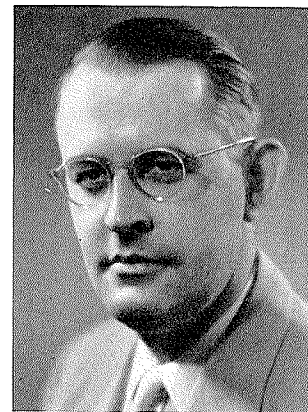
LEO F. PRATT



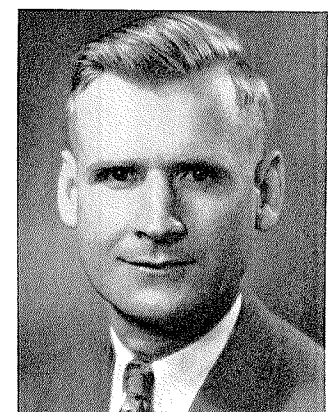
O. J. KNECHTGES



E. C. YOUNGMAN



B. W. JOHNSON



WILLARD W. WARZYN

LEO F. PRATT

Chief Field Supervisor and Office Engineer — specializing in design and supervision of sanitary and storm sewers, field surveys and specification writing. American Concrete Institute; Wisconsin Society of Professional Engineers.

O. J. KNECHTGES

Chief Hydraulic and Sanitary Engineer — specializing in chemical, sanitary and hydraulic design, water treatment. Member Wisconsin Society of Professional Engineers, Central States Sewage Works Association, American Water Works Association.

E. C. YOUNGMAN

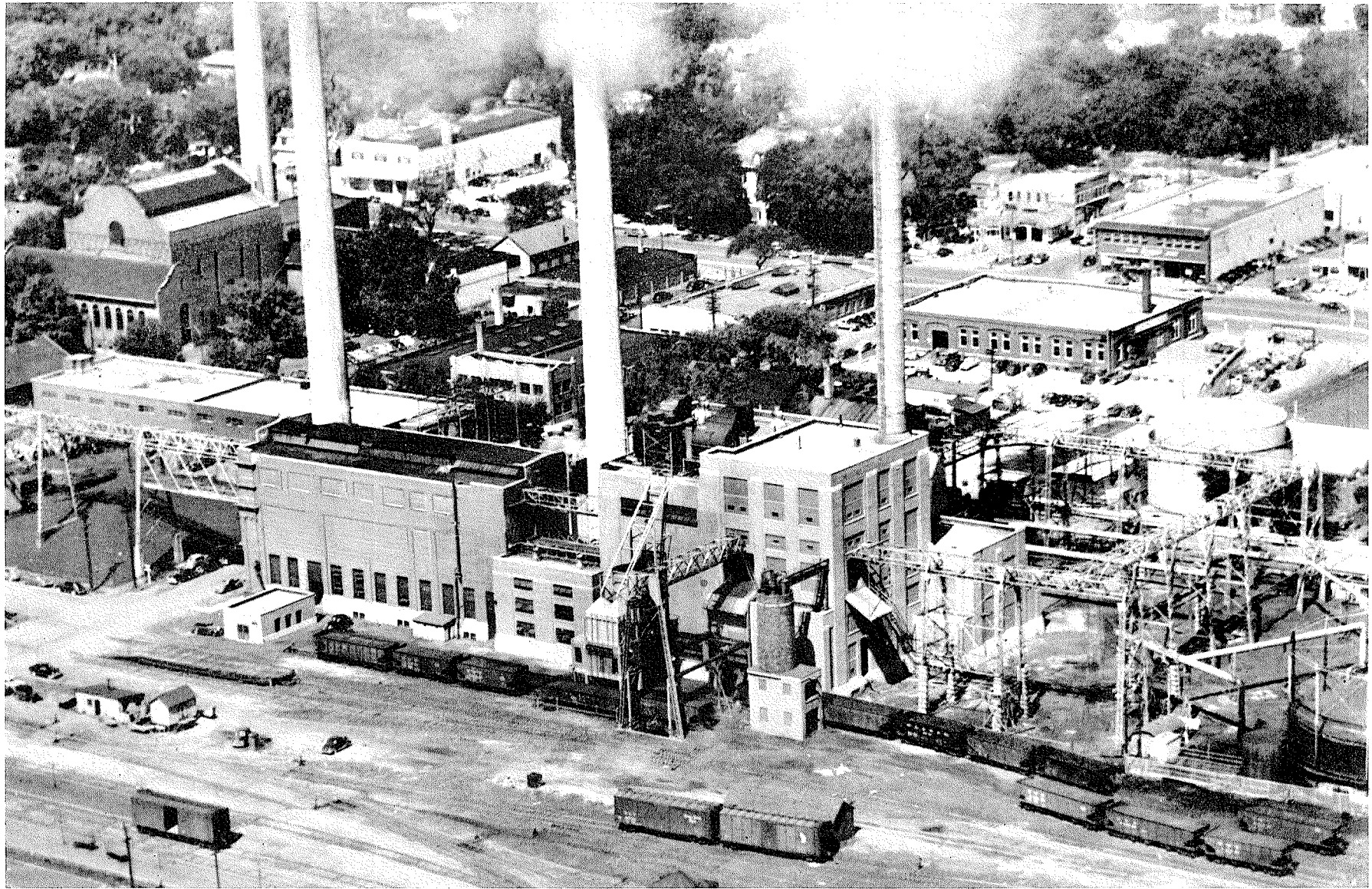
Chief Mechanical Engineer — specializing in power plant design, heating, piping, ventilating and air conditioning. Member of American Society of Heating and Ventilating Engineers.

B. W. JOHNSON

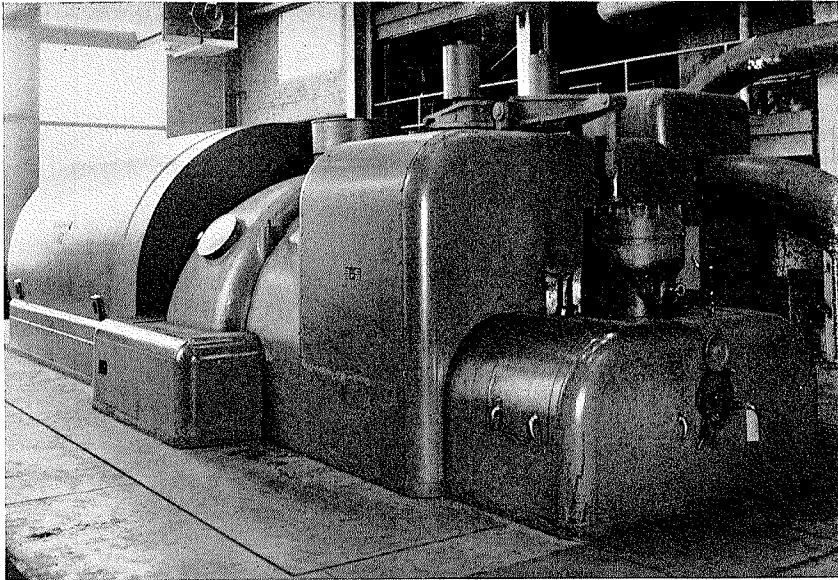
Chief Electrical Engineer — specializing in power and lighting design, power transmission and automatic controls. Member of Wisconsin Society of Professional Engineers; American Institute of Electrical Engineers.

WILLARD W. WARZYN

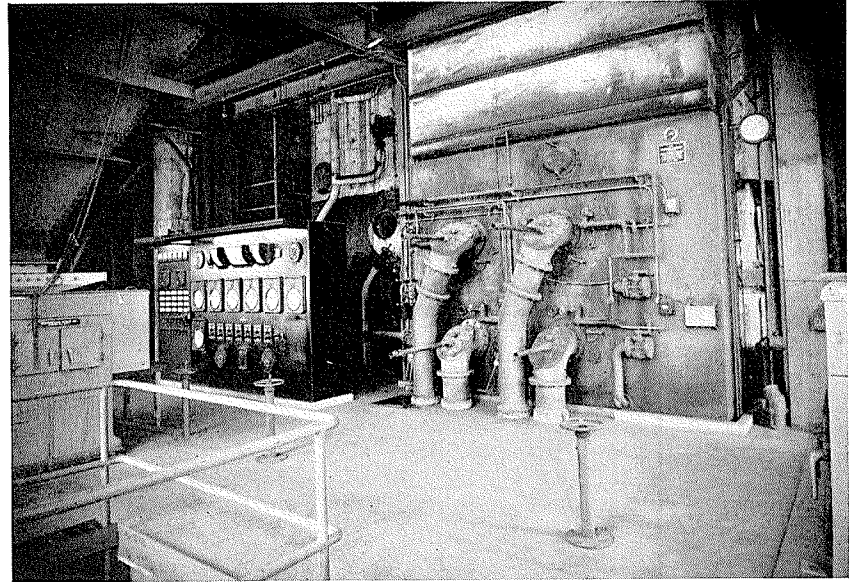
Structural Engineer — general structures. Member American Society of Civil Engineers, American Concrete Institute, Wisconsin Society of Professional Engineers.



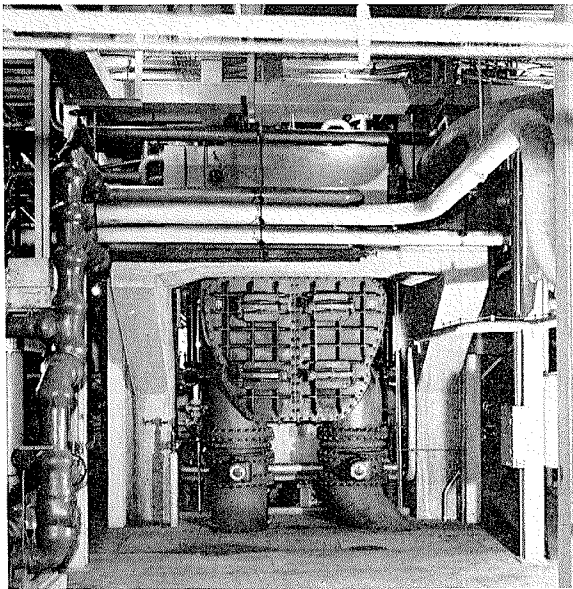
Aerial view of the Blount Street plant of the Madison Gas and Electric Company, Madison, Wisconsin



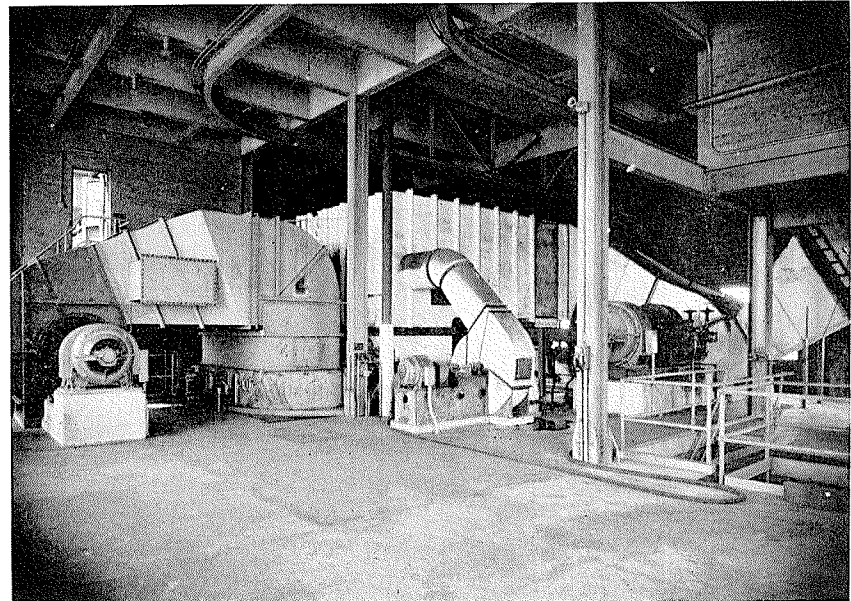
High pressure turbo-generator unit No. 5,
Madison Gas and Electric Company



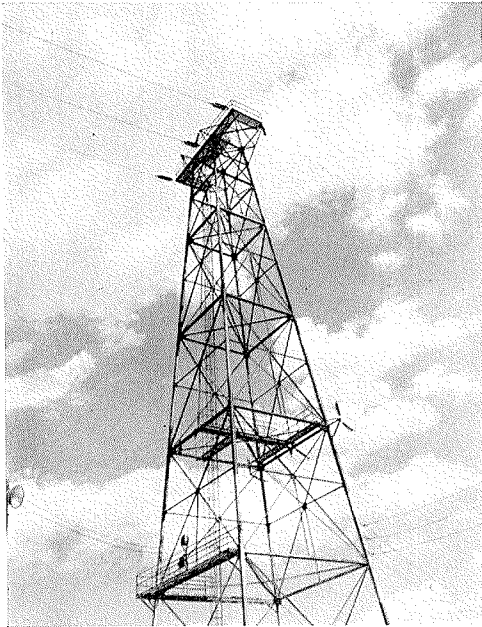
View of steam generator No. 7 at operating floor level,
Madison Gas and Electric Company



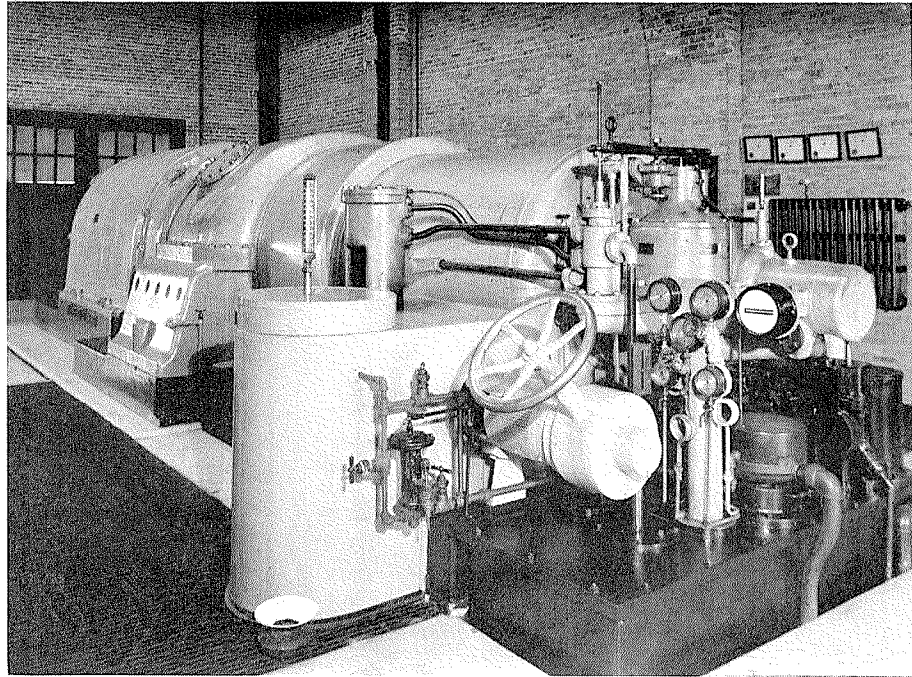
Condenser for turbo-generator unit No. 5,
Madison Gas and Electric Company



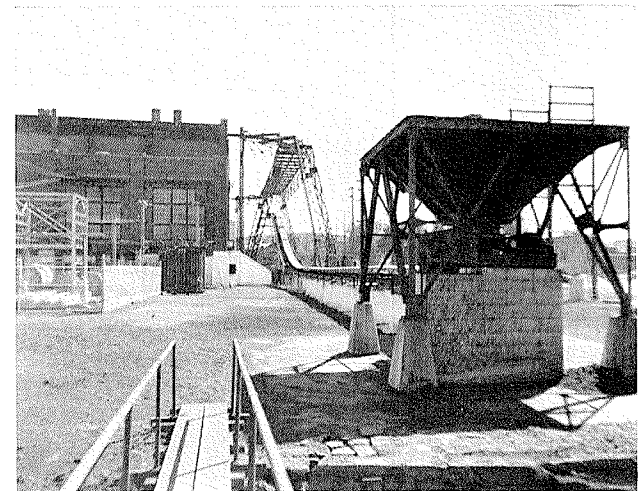
Draft equipment and fly ash collection system for steam generator
No. 7, Madison Gas and Electric Company



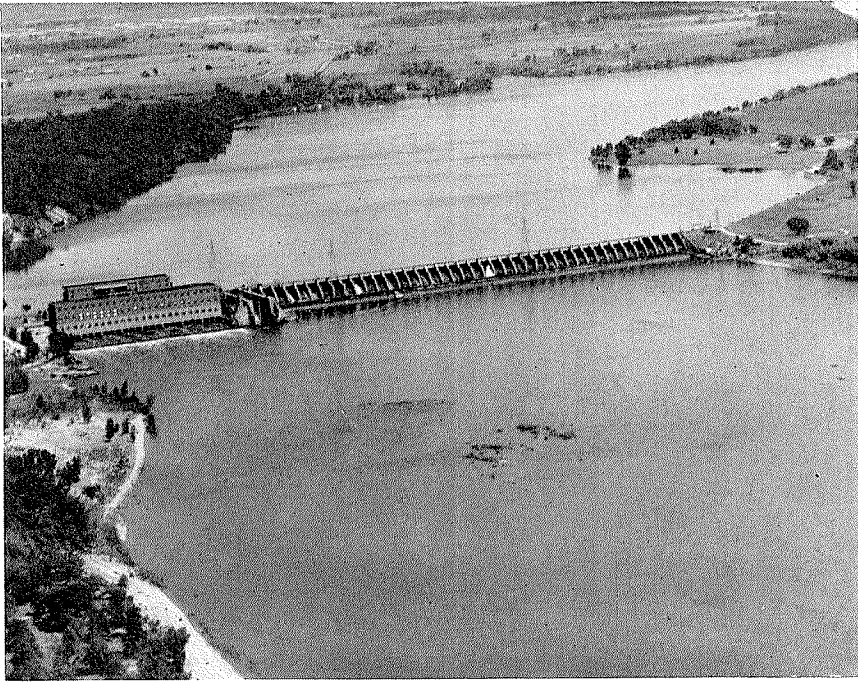
Tower supporting 44000 volt transmission line on one-half mile span across Mississippi River, Mississippi Valley Public Service Company



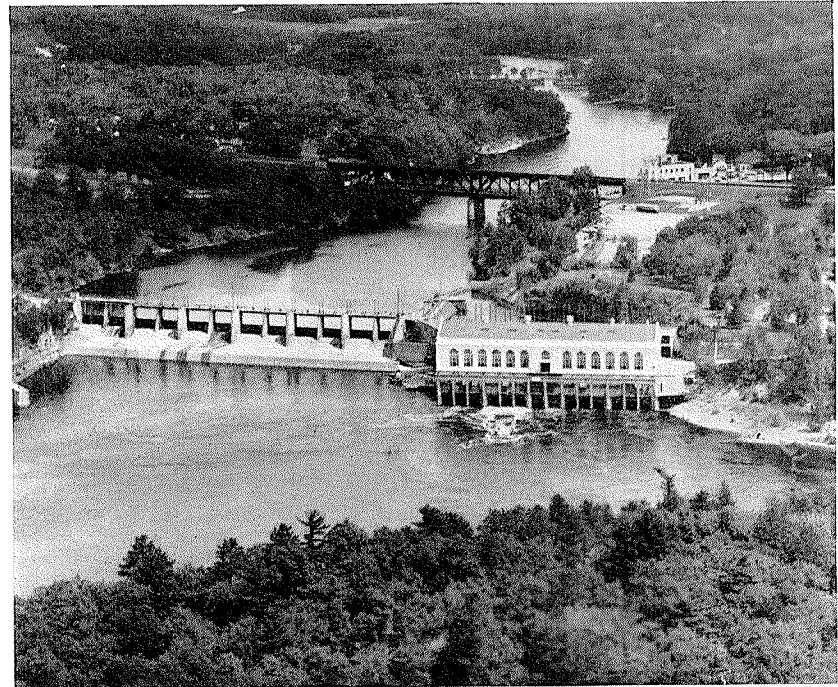
Low pressure turbo-generator No. 2, Mississippi Valley Public Service Company



Coal conveying equipment from coal barge dock to storage and plant, Mississippi Valley Public Service Company



Aerial view of Prairie du Sac hydroelectric plant on the Wisconsin River near Prairie du Sac, Wisconsin, Wisconsin Power and Light Company



Aerial view of Kilbourn hydroelectric plant on the Wisconsin River at Wisconsin Dells, Wisconsin, Wisconsin Power and Light Co.



Johnson's Falls hydroelectric plant on Peshtigo River near Crivitz, Wisconsin, Wisconsin Public Service Corporation

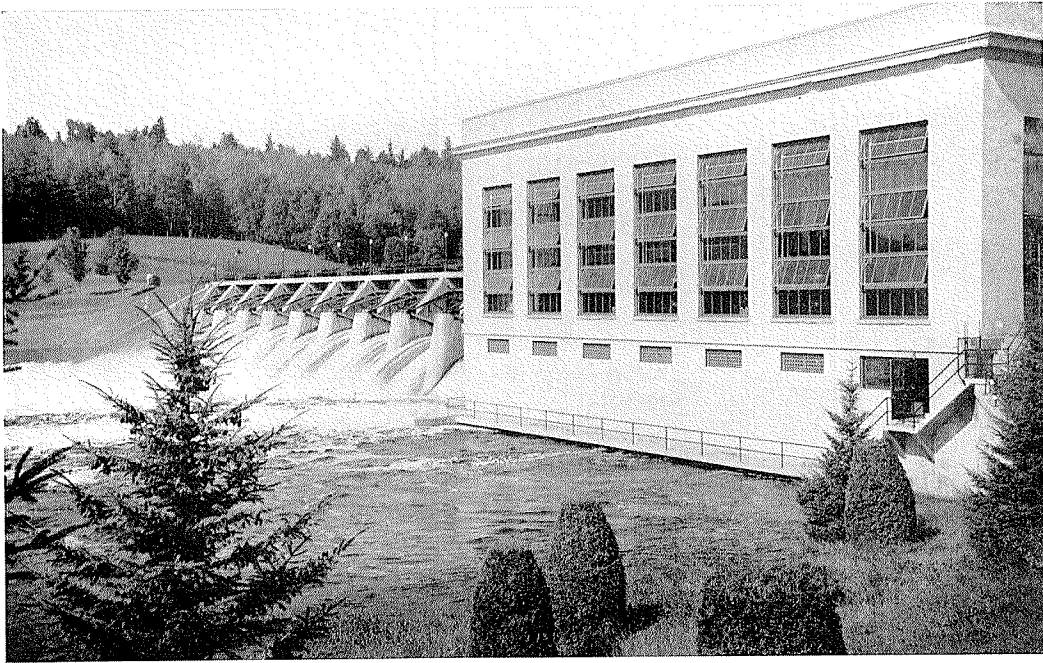


Rockton hydroelectric plant on Rock River at Rockton, Illinois, Wisconsin Power and Light Company.

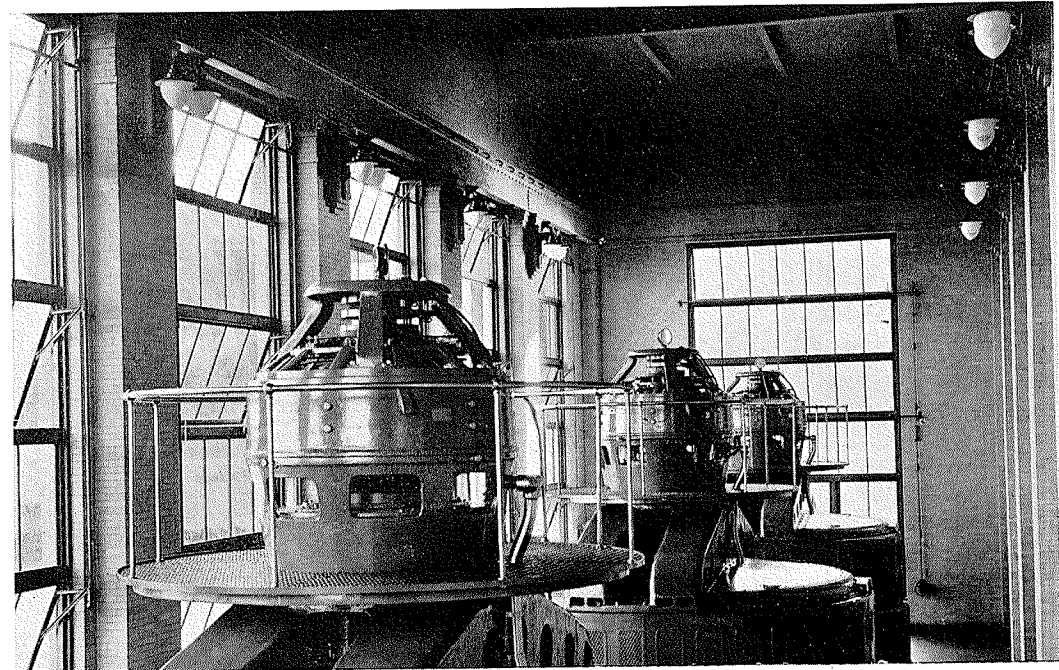
Contains fourth automatic adjustable blade turbine installed in United States.



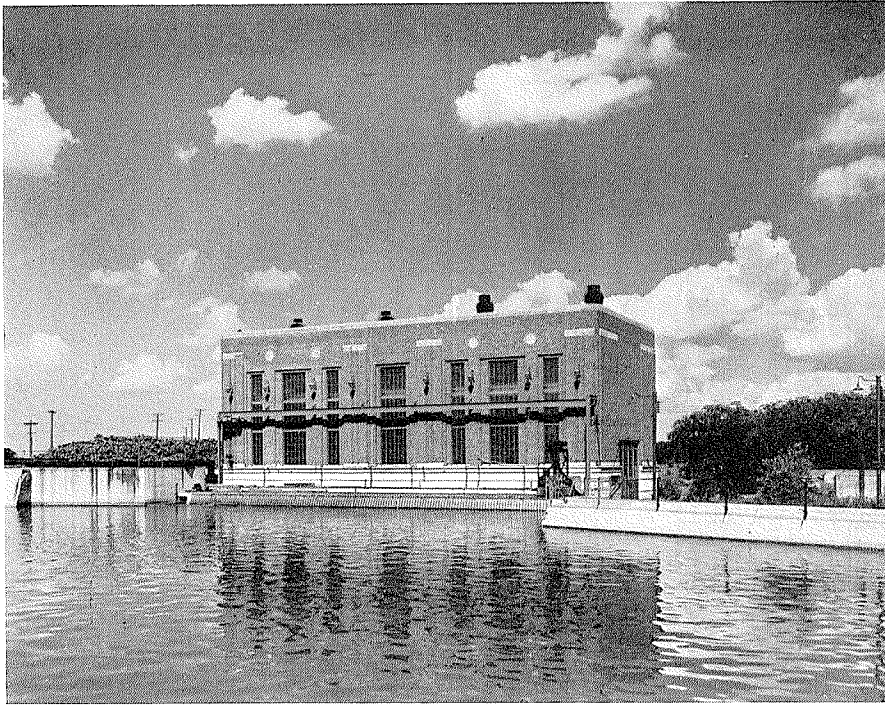
Aerial view of Big Quinnesec Falls hydroelectric plant on Menominee River near Iron Mountain, Michigan . Wisconsin-Michigan Power Company.
Plant in foreground, completed in 1949, operates under 92' head; plant in background, completed in 1913, operates under 61' head.



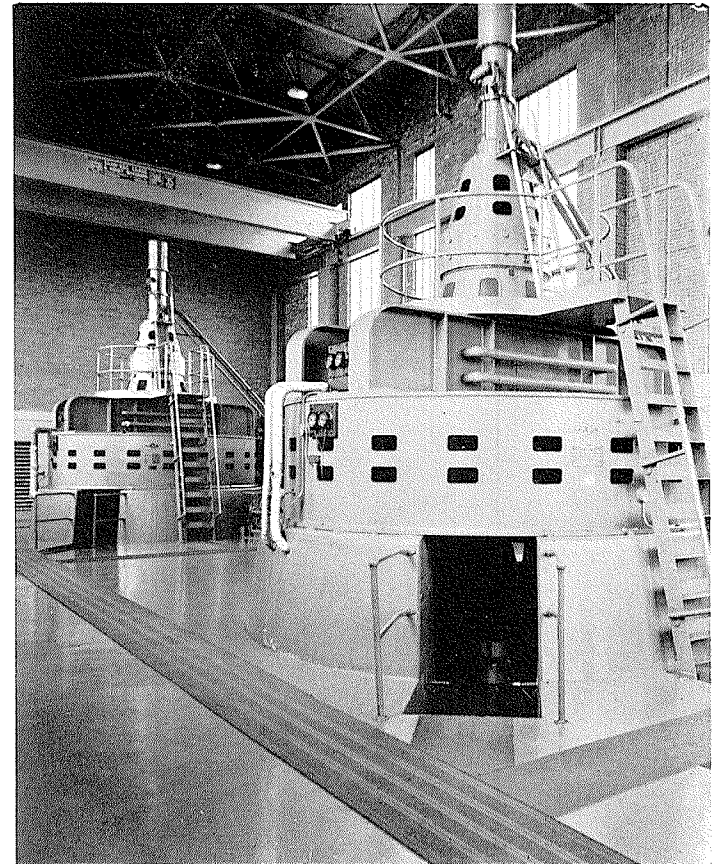
Ford hydroelectric plant on Menominee River near Iron Mountain, Michigan. Ford Motor Company



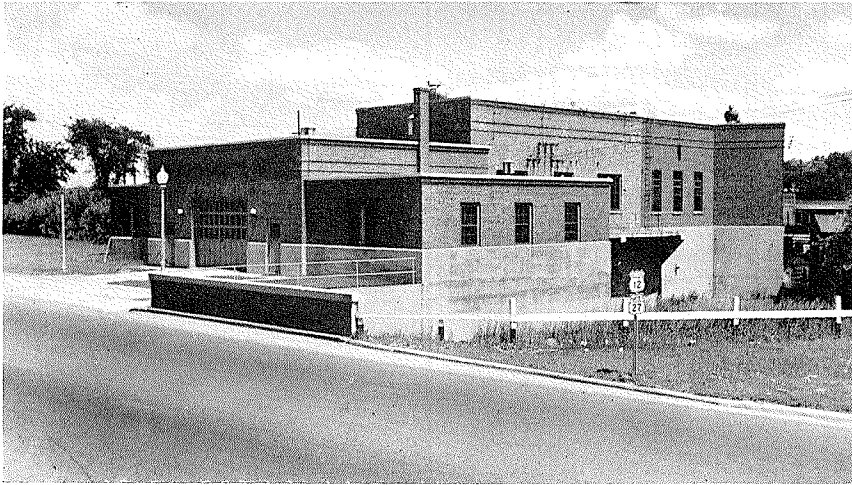
Generator Room — Ford Motor Company



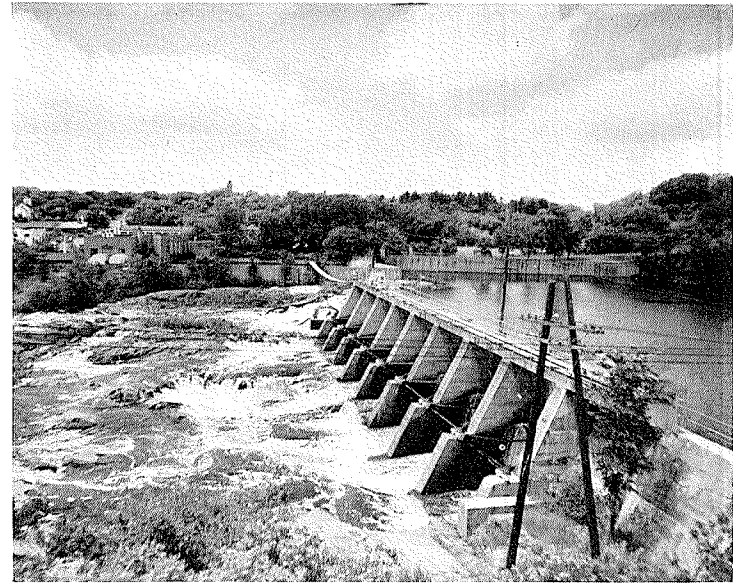
Thilmany hydroelectric plant on Fox River in Kaukauna, Wisconsin.
City of Kaukauna



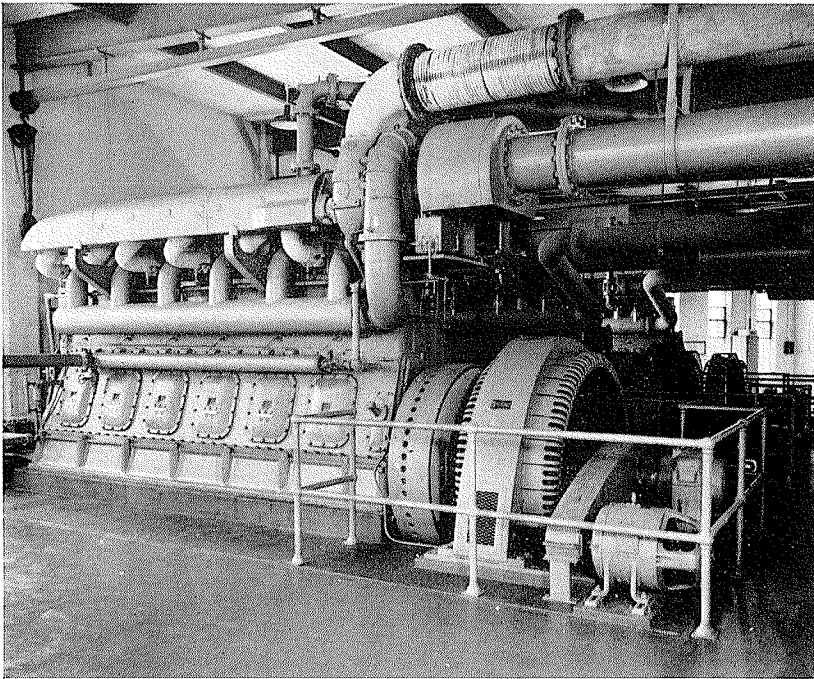
Generator Room — Thilmany Plant, Kaukauna, Wisconsin



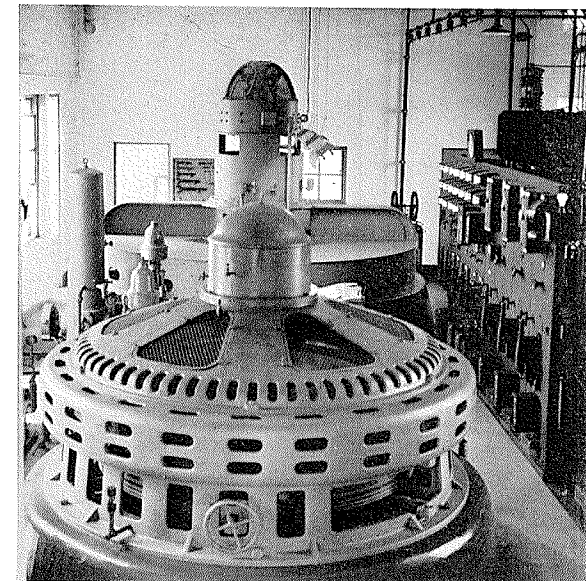
Hydroelectric and diesel electric power plant in Black River Falls, Wis.
City of Black River Falls



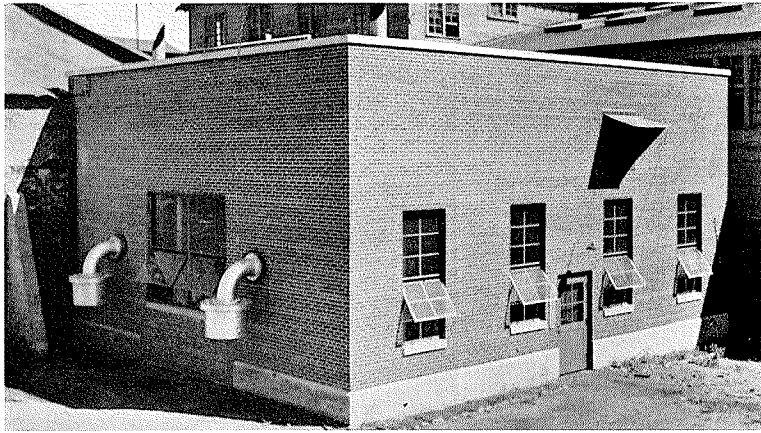
Tainter gate section and open spillway dam for hydroelectric
plant, City of Black River Falls



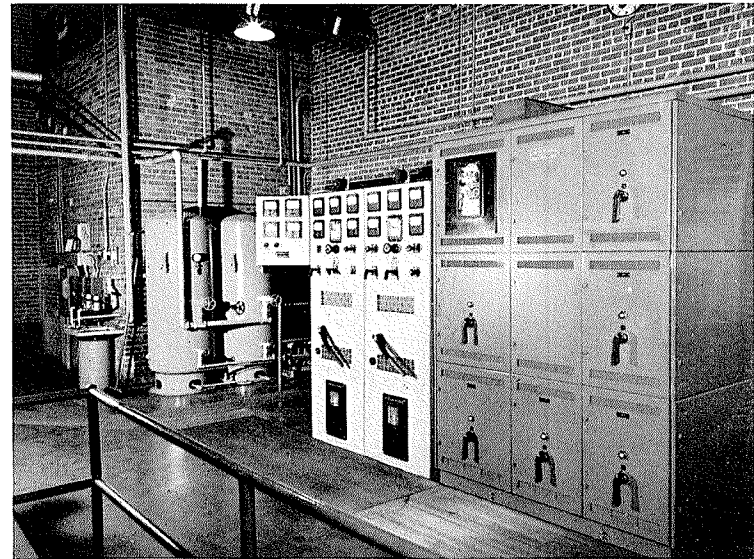
Diesel electric generating units, City of Black River Falls



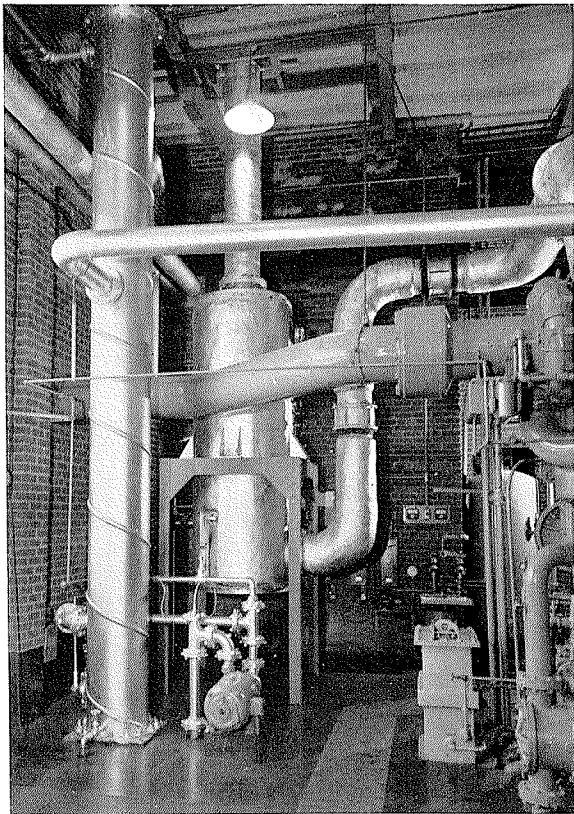
Hydroelectric generating units and switchboard,
City of Black River Falls



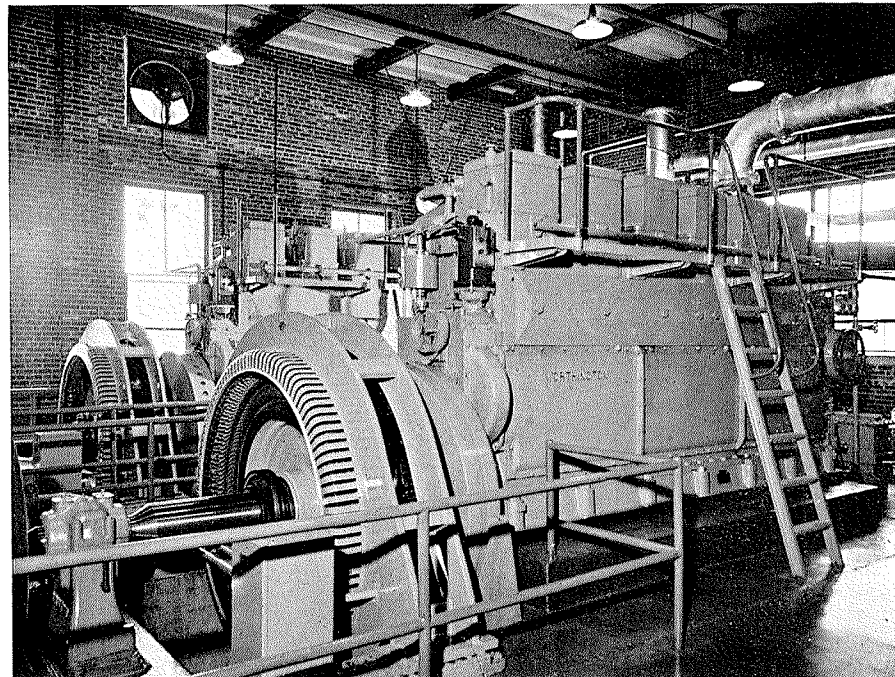
Diesel electric power plant, Laona, Wisconsin.
Connor Lumber and Land Co.



Switchboard, diesel electric power plant.
Connor Lumber and Land Co.



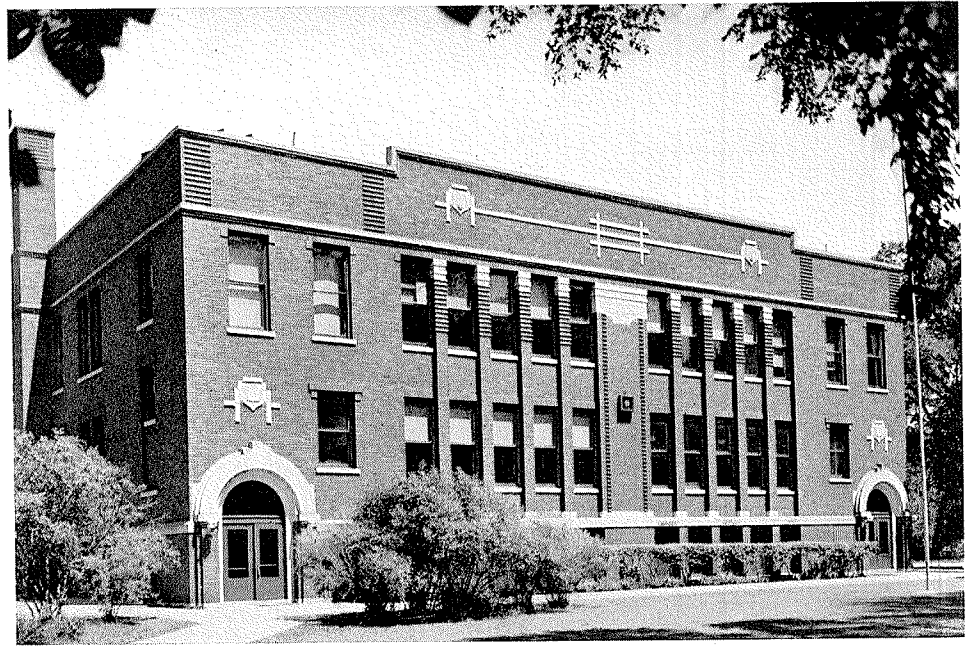
Heat recovery equipment, diesel electric power
plant, Connor Lumber and Land Co.



Diesel electric generating units, Connor Lumber and Land Co.



Belmont Hotel, Madison, Wisconsin



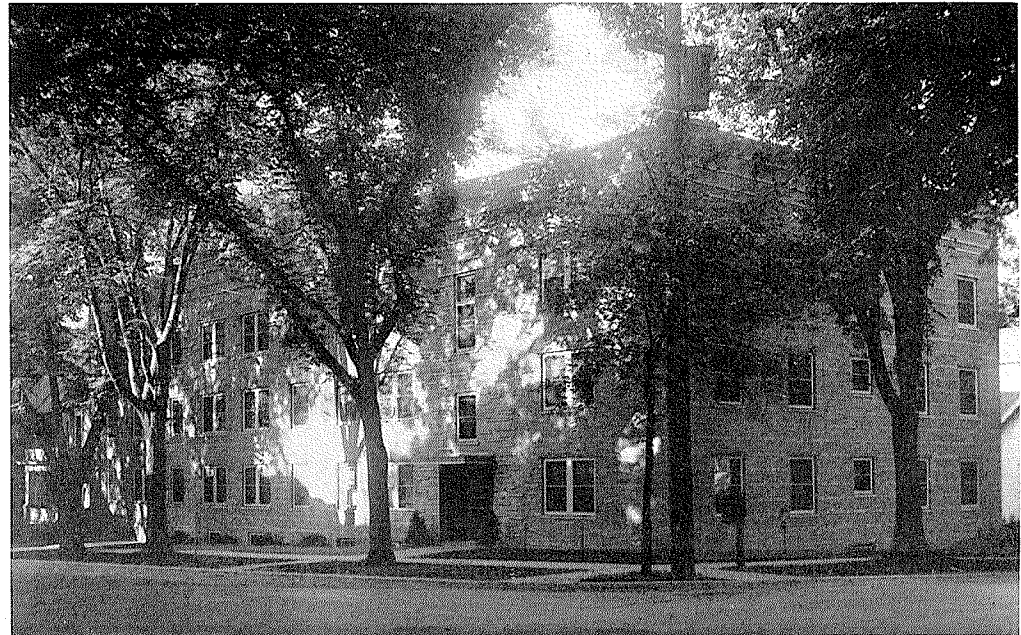
Grade and High School, Mazomanie, Wisconsin



Schlueter Manufacturing Plant, Janesville, Wisconsin



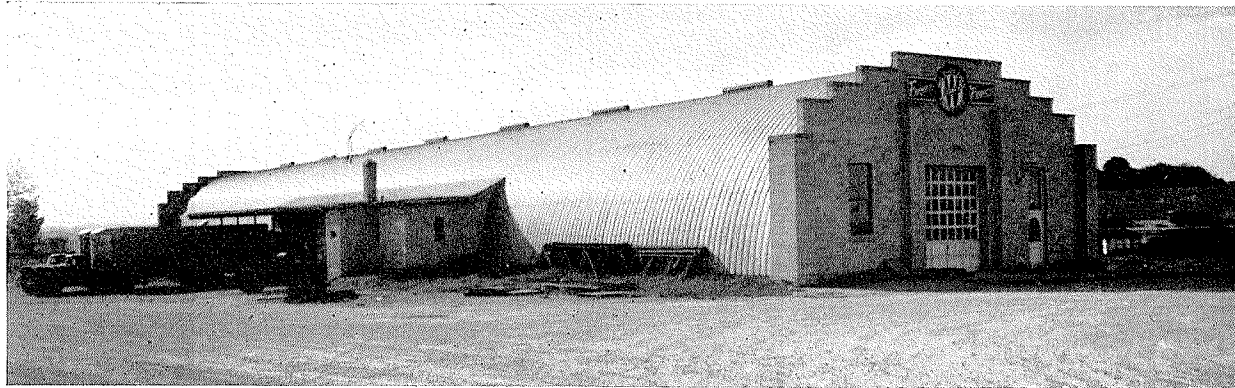
West Main Apartment Building, Madison, Wisconsin



Lyon Apartment Building, Madison, Wisconsin



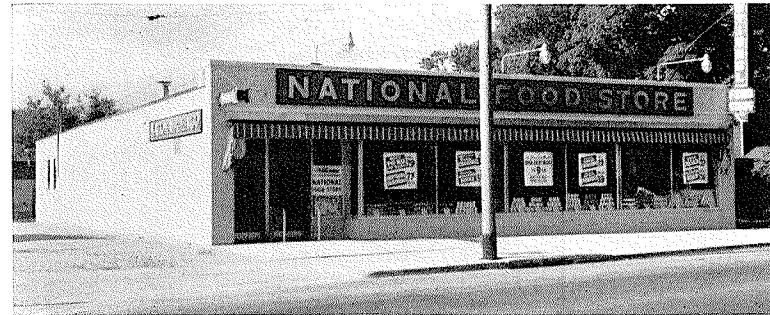
Schappe Motors, Inc., Madison Wisconsin



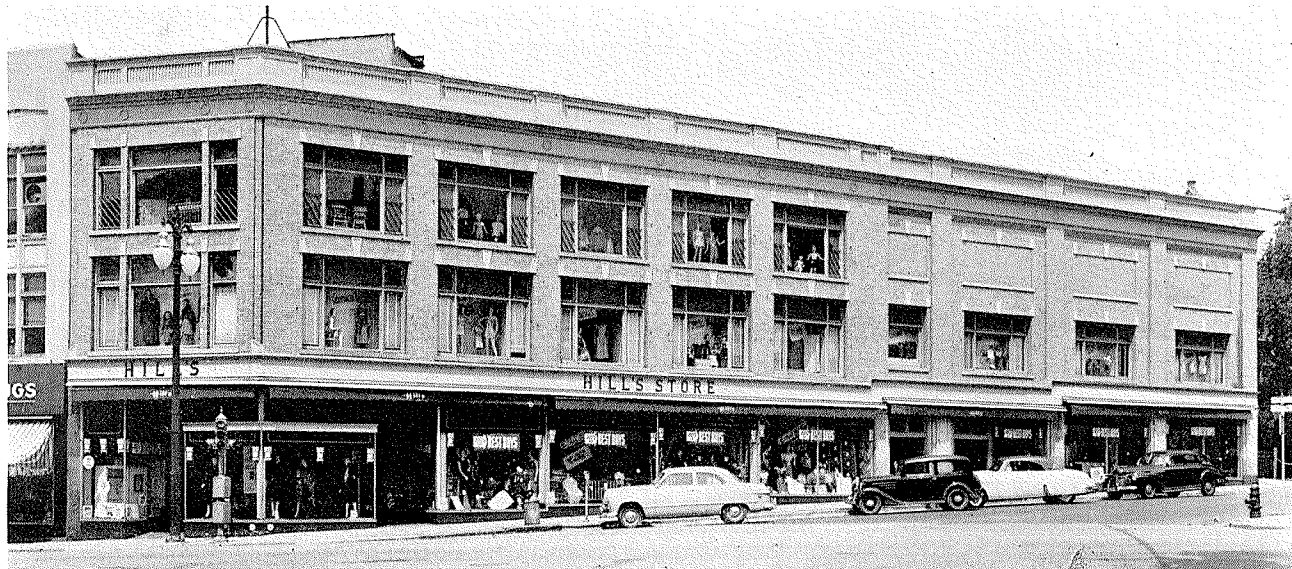
Warehouse for Wisconsin Farm Bureau Federation, Madison, Wisconsin



State Farm Mutual Insurance Company, Madison, Wisconsin



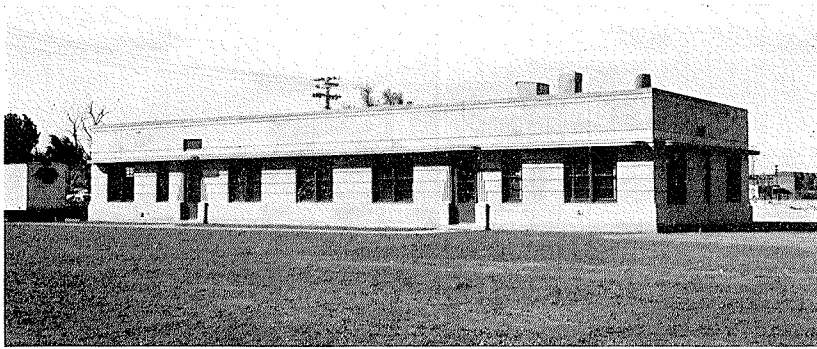
National Food Store, Madison, Wisconsin



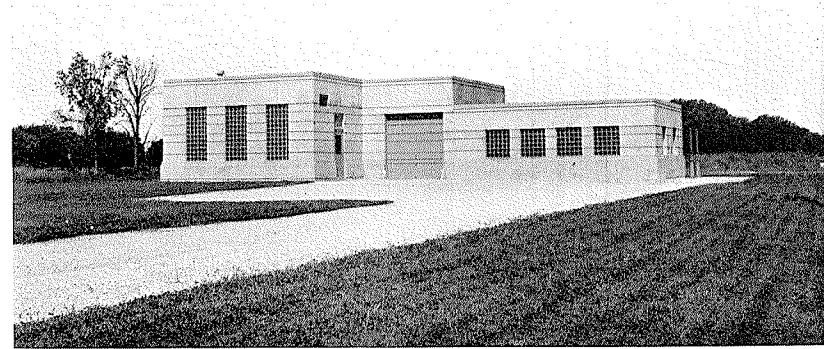
Hill's Department Store, Madison, Wisconsin



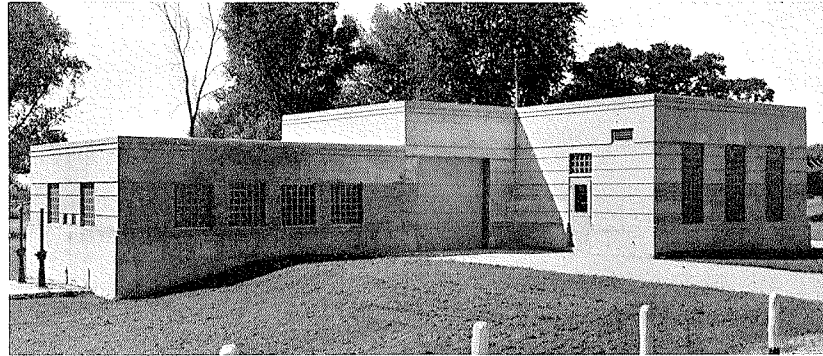
Piggly Wiggly Super Market, Madison, Wisconsin



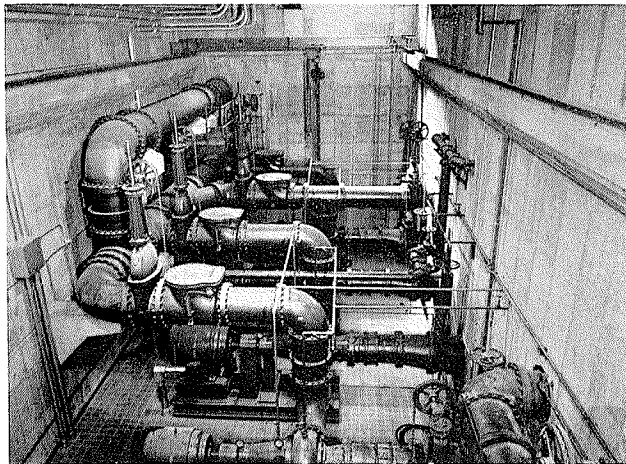
Main Office and Pumping Station No. 1, Madison Metropolitan Sewerage District, Madison, Wisconsin



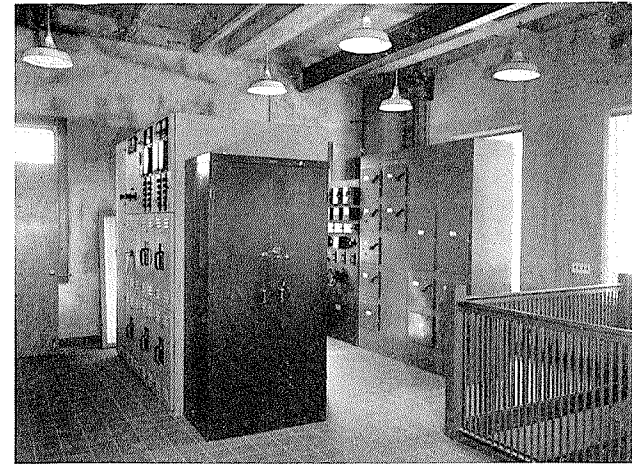
Pumping Station No. 6, Madison Metropolitan Sewerage District, Madison, Wisconsin



Pumping Station No. 7, Madison Metropolitan Sewerage District, Madison, Wisconsin



Pump room at Pumping Station No. 1, Madison Metropolitan Sewerage District

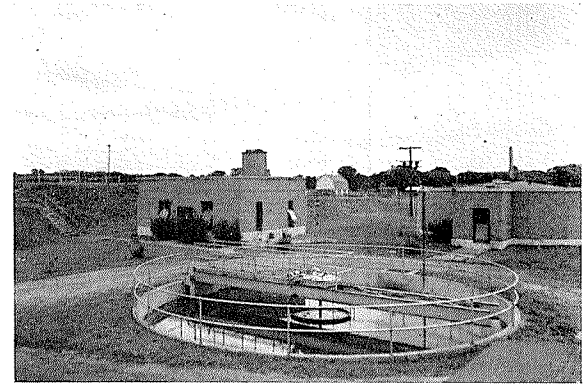


Switchboard and controls, Pumping Station No. 1, Madison Metropolitan Sewerage District

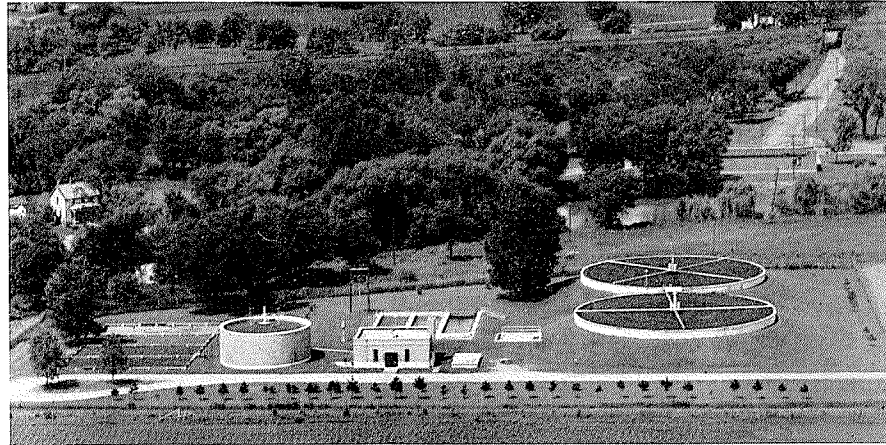


Reedsburg, Wisconsin

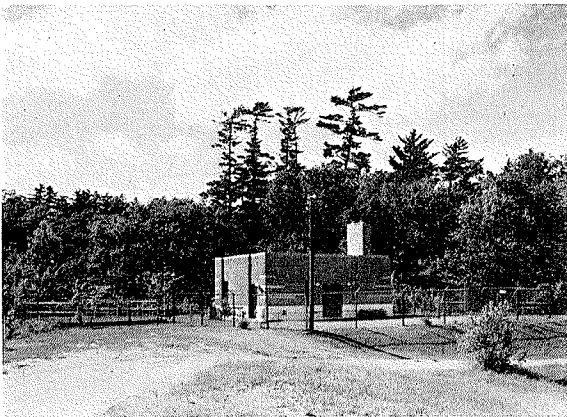
SEWAGE TREATMENT PLANTS



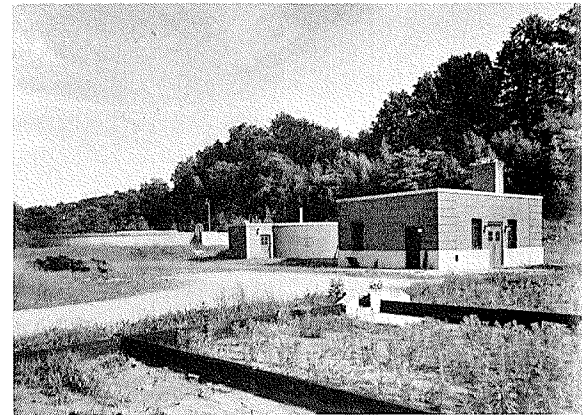
Sparta, Wisconsin



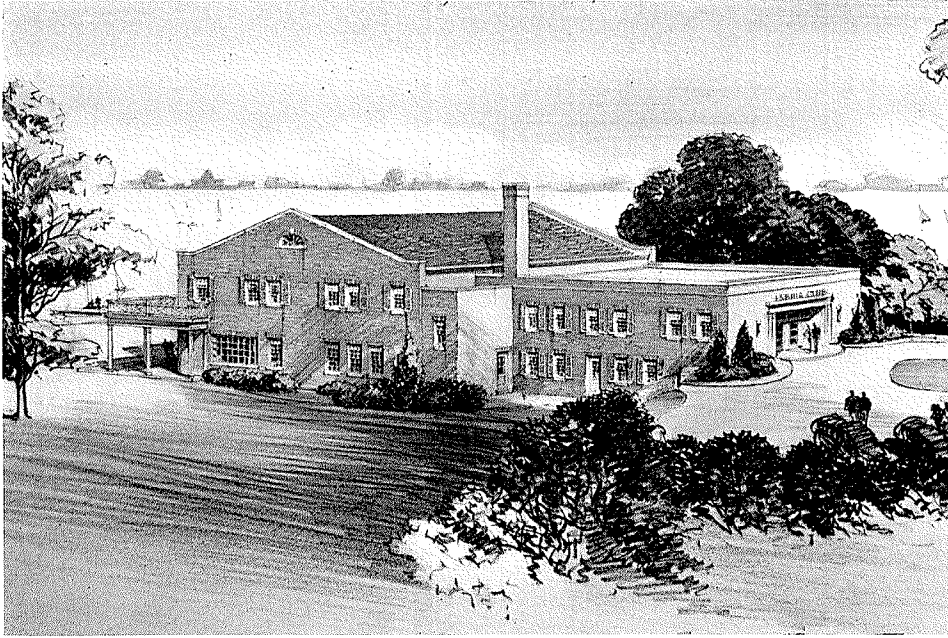
Baraboo, Wisconsin



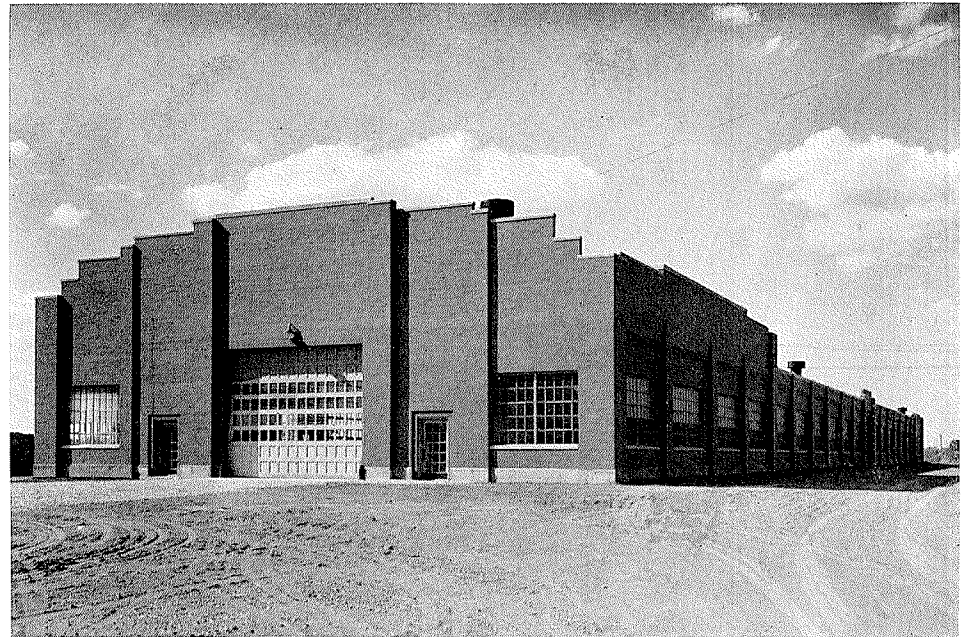
Black River Falls, Wisconsin



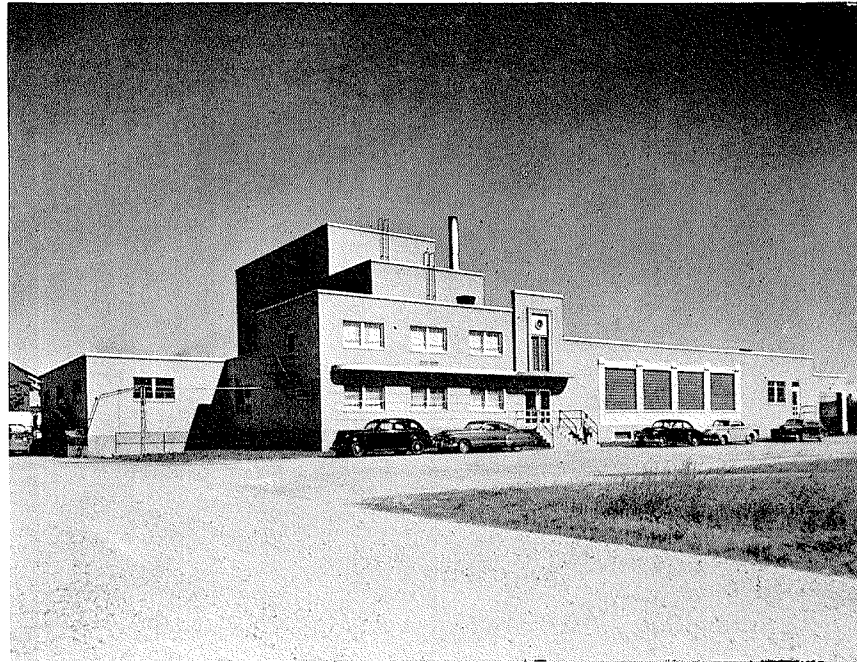
Elroy, Wisconsin



Club House, East Side Business Men's Association, Madison, Wisconsin



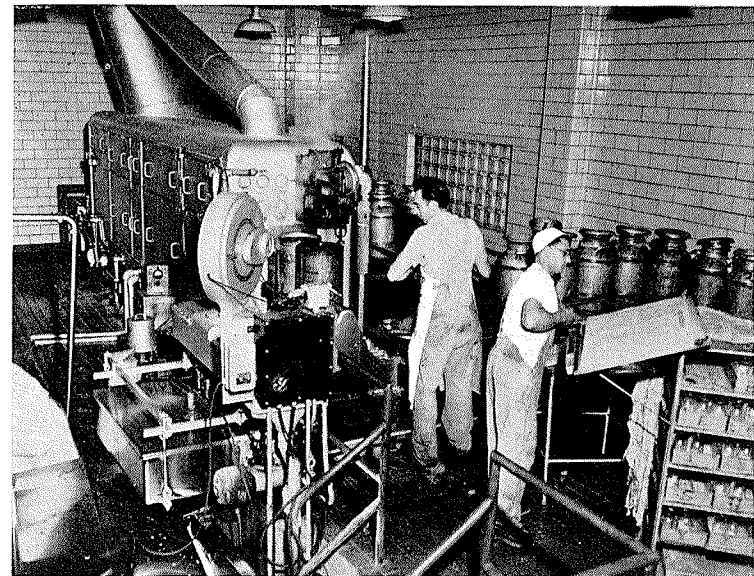
Dane County Highway Garage, Madison, Wisconsin



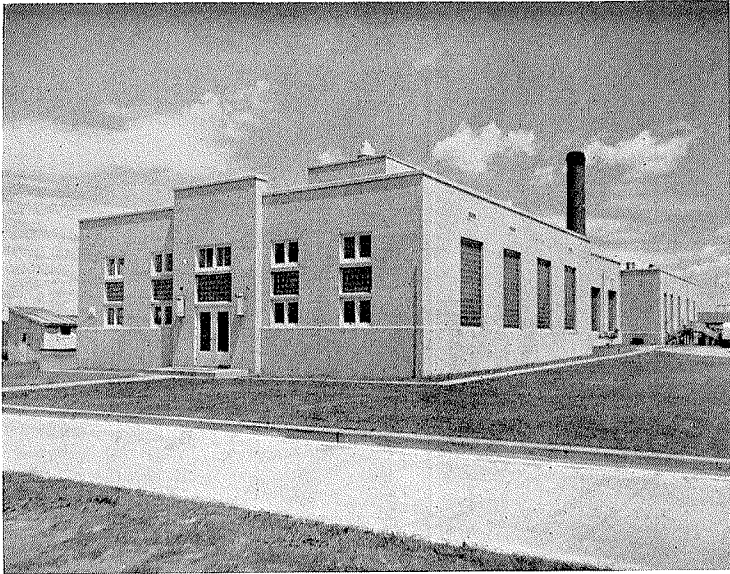
Wisconsin Creamery Company Co-op, Sauk City, Wisconsin



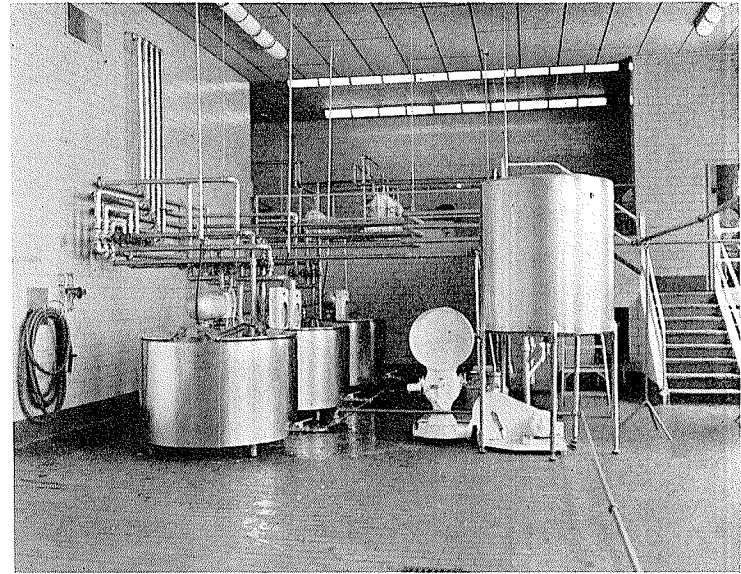
Milk processing room, Wisconsin Creamery Company, Co-op.
Sauk City, Wisconsin



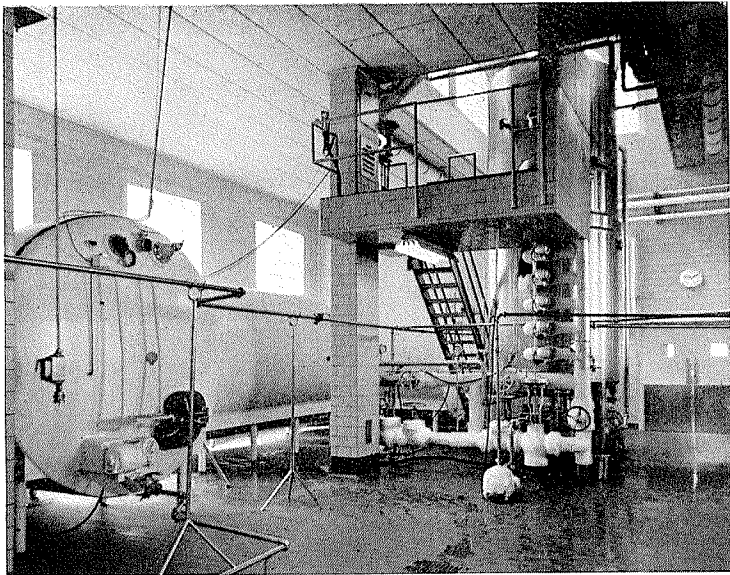
Milk receiving room, Wisconsin Creamery Company Co-op.
Sauk City, Wisconsin



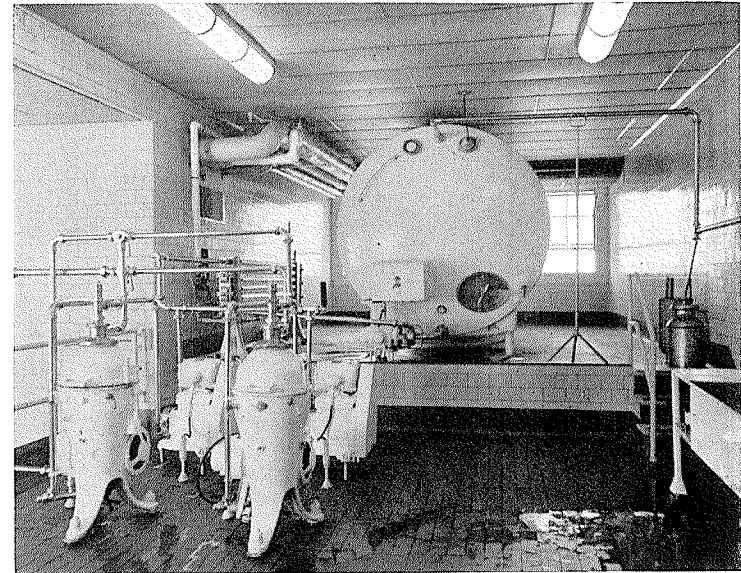
Sanna Dairies, Inc., Ridgeland, Wisconsin



Milk processing room, Sanna Dairies, Inc.



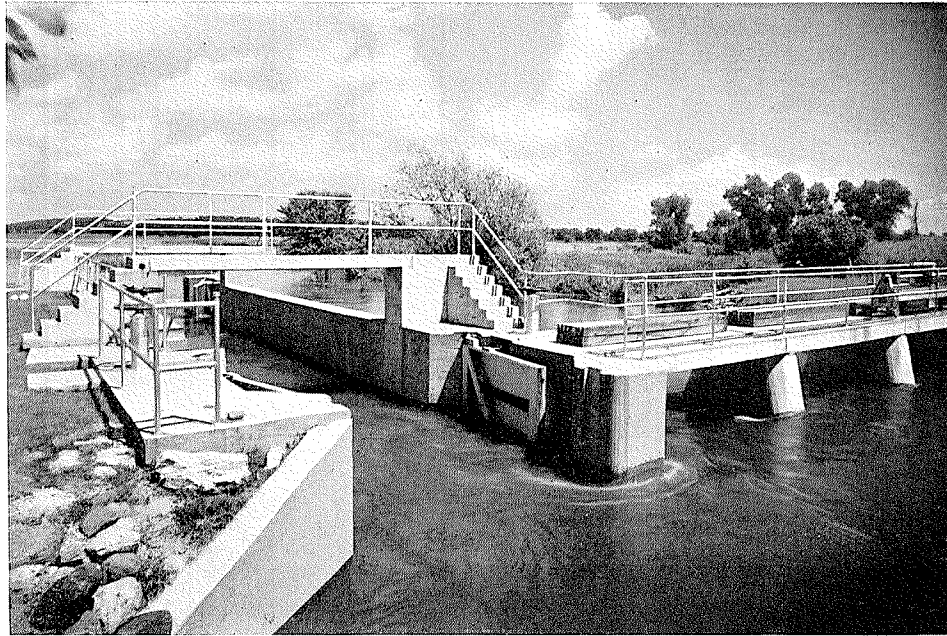
Milk condensing unit, Sanna Dairies, Inc.



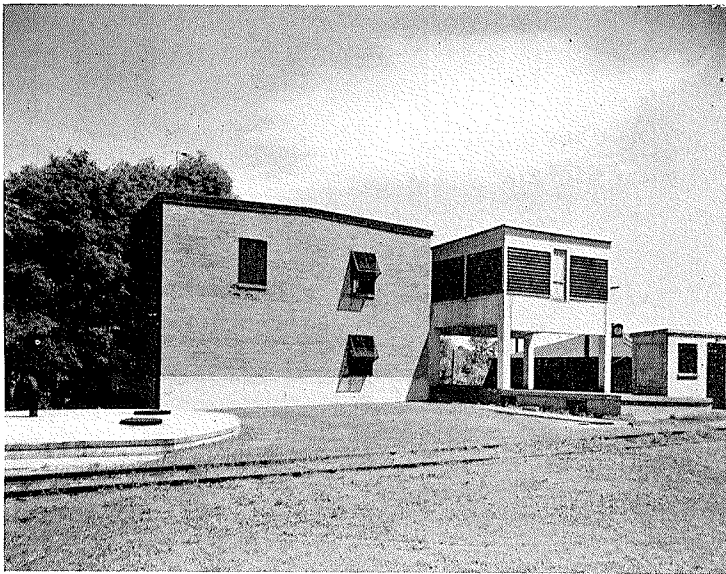
Cream separator floor, Sanna Dairies, Inc.



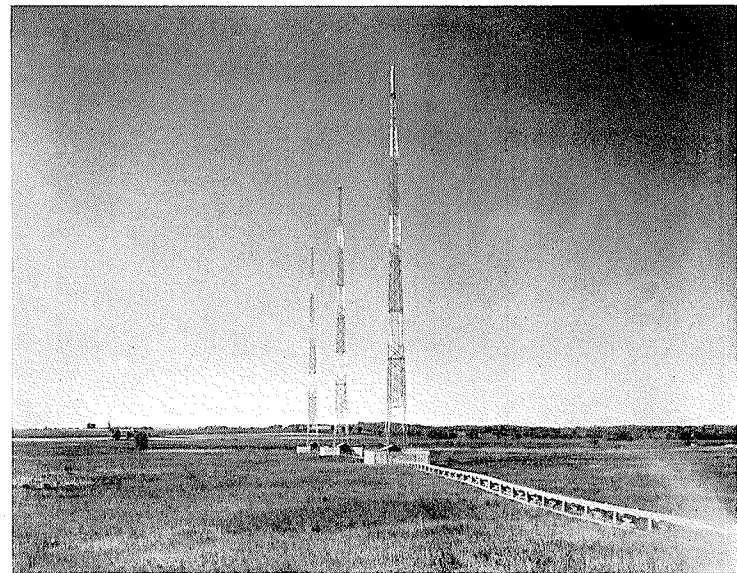
Waterworks, City of Madison, Wisconsin



Control lock and dam at outlet of Lake Kegonsa, Wisconsin.
Dane County Park Commission



Iron removal plant, City Water Works, Ripon, Wisconsin.
Wisconsin Power and Light Company



Radio Station WISC, Madison, Wisconsin.
Construction supervised by Mead and Hunt, Inc.

Partial List of Projects and Investigations Completed by Mead and Hunt, Inc.

STEAM POWER PLANTS

| | | |
|---|----------------------|---|
| Wisconsin-Michigan Power Company | Iron River, Michigan | 1000 hp, 250 psi, 300% rating boiler |
| Mississippi Valley Public Service Company | Winona, Minnesota | 1000 hp, 250 psi, 300% rating boiler 5000 kw, 250 psi, turbo-generator Coal handling equipment |
| Madison Gas and Electric Company | Madison, Wisconsin | Four 1000 hp, 250 psi, 300% rating boilers Three 200,000 lbs. per hour, 900 psi, 850° boilers One 5000 kw turbo-generator One 10,000 kw turbo-generator One 15,000 kw turbo-generator Two 20,000 kw turbo-generators |

DIESEL ENGINE PLANTS

| | | |
|----------------------------------|------------------------------|--|
| Wisconsin-Michigan Power Company | Iron River, Michigan | Two 1000 kw diesel generators |
| Connor Lumber and Land Company | Laona, Wisconsin | Two 550 kw diesel generators |
| Municipal Plant | Black River Falls, Wisconsin | One 521 kw diesel generator One 344 kw generator One 925 kw diesel generator |

NATIONAL DEFENSE PROJECTS

| | |
|------------------------------|---|
| Preliminary Survey and Plans | Camp McCoy, Wisconsin |
| Survey | Radio School, Truax Field, Madison, Wisconsin |
| Piping Layout | Fairbanks, Morse Co, Diesel Plant, Beloit, Wisconsin |
| Hemp Plants | Hartford, Ripon, DeForest, Union Grove, Darien, Cuba City, Wisconsin |

MILK PROCESSING PLANTS

| | |
|-----------------------------------|----------------------|
| Sanna Dairies, Inc. | Ridgeland, Wisconsin |
| Wisconsin Creamery Company Co-op. | Sauk City, Wisconsin |

HYDROELECTRIC PLANTS DESIGNED AND BUILT

| PLANT | RIVER | NEAR | HEAD | HP |
|---------------------|-------------|-------------------------|------|--------|
| High Falls | Peshtigo | Crivitz, Wis. | 85' | 9,500 |
| Kilbourn | Wisconsin | Wisconsin Dells, Wis. | 19' | 13,200 |
| Kilbourn | Wisconsin | Wisconsin Dells, Wis. | 19' | 3,100 |
| Alpena | Thunder Bay | Alpena, Mich. | 16' | 1,950 |
| Twin Falls | Menominee | Iron Mountain, Mich. | 42' | 8,750 |
| Prairie du Sac | Wisconsin | Prairie du Sac, Wis. | 34' | 46,000 |
| Brule | Brule | Florence, Wis. | 60' | 9,300 |
| Peshtigo | Peshtigo | Peshtigo, Wis. | 12' | 730 |
| Black River Falls | Black | Black River Falls, Wis. | 20' | 1,700 |
| Pine | Pine | Florence, Wis. | 93' | 5,500 |
| Johnson's Falls | Peshtigo | Crivitz, Wis. | 43' | 5,500 |
| Sturgeon | Sturgeon | Loretto, Mich. | 65' | 1,200 |
| Hat Rapids | Wisconsin | Rhineland, Wis. | 20' | 1,200 |
| Caldron Falls | Peshtigo | Athelstane, Wis. | 80' | 9,300 |
| Ford | Menominee | Kingsford, Wis. | 30' | 9,600 |
| Sandstone | Peshtigo | Crivitz, Wis. | 42' | 5,500 |
| Big Falls | Little Wolf | Big Falls, Wis. | 30' | 480 |
| Central | Rock | Janesville, Wis. | 8.5' | 740 |
| Monterey | Rock | Janesville, Wis. | 9' | 240 |
| Hatfield | Black | Hatfield, Wis. | 90' | 4,270 |
| Shawano | Wolf | Shawano, Wis. | 20' | 650 |
| Rockton | Rock | Rockton, Ill. | 12' | 1,650 |
| Muscoda | Pine Creek | Muscoda, Wis. | 14' | 100 |
| Kaukauna | Fox | Kaukauna, Wis. | 22' | 7,000 |
| Big Quinnesec Falls | Menominee | Iron Mountain, Mich. | 92' | 22,000 |
| Way Dam | Michigamme | Crystal Falls, Mich. | 39' | 2,500 |

ELECTRIC TRANSMISSION LINES

| | | |
|---|----------|---|
| High Falls — Green Bay | 66000 V. | Wisconsin Public Service Corporation |
| Prairie du Sac — Portage | 66000 V. | Wisconsin Power and Light Company |
| Twin Falls — Iron River | 66000 V. | Wisconsin-Michigan Power Company |
| Iron River Secondary | 6600 V. | Wisconsin-Michigan Power Company |
| Onalaska — LaCrosse | 44000 V. | Mississippi Valley Public Service Company |
| Mississippi River Crossing, Winona, Minn. | 44000 V. | Mississippi Valley Public Service Company |

WATER SUPPLY AND TREATMENT PLANTS

Madison, Wisconsin
Dubuque, Iowa
Decatur, Illinois
Ripon, Wisconsin
Baraboo, Wisconsin
Black River Falls, Wisconsin
Sparta, Wisconsin
Ridgeland, Wisconsin — Sanna Dairies, Inc.

Preliminary report and plans for water softening plant — Platteville, Wisconsin

Rockford, Illinois
Frankfort, Kentucky
Schlitz Brewing Co., Milwaukee, Wisconsin
Elkhorn, Wisconsin
Jefferson, Wisconsin
Edgerton, Wisconsin
Green Bay, Wisconsin
Oregon, Wisconsin

Danville, Illinois
Quincy, Illinois
Oconomowoc, Wisconsin
Monroe, Wisconsin
Union, Illinois
Crystal Falls, Michigan
Bloomer, Wisconsin
Sauk City, Wis. — Wisconsin
Creamery Company (Co-op)

SEWERAGE SYSTEMS AND PLANTS

Oregon, Wisconsin
Hales Corners, Wisconsin
Shorewood Hills, Wisconsin
Prairie du Sac, Wisconsin
Baraboo, Wisconsin
Wisconsin Dells, Wisconsin
Sparta, Wisconsin
Black River Falls, Wisconsin
Reedsburg, Wisconsin
Elroy, Wisconsin
Edgerton, Wisconsin
Madison, Wisconsin
Madison Metropolitan Sewerage District

Sanitary Sewers and Treatment Plant
Sanitary Sewers and Treatment Plant
Sanitary Sewers
Sanitary Sewers
Sewage Treatment Plant
Intercepting Sewers and Treatment Plant
Sewage Treatment Plant
Intercepting Sewers, Treatment Plant
Sewage Treatment Plant
Sewage Treatment Plant
Sewage Treatment Plant Addition
Interceptor Sewer
Intercepting Sewer and Three Pumping Stations

FLOOD PROTECTION, DRAINAGE AND IRRIGATION

Oklahoma City
City of Fond du Lac
A general report on the drainage of the Florida Everglades, Florida
Report on the Gila Bend Irrigation Project
Little River Drainage District
Hanford Irrigation Project
Medford Irrigation Project
Sumas Drainage District
Two Buttes Irrigation Project
Green County Farm Drainage District
Black River Falls

Canadian River, Oklahoma
Fond du Lac, Wisconsin
Arizona
Arkansas
Washington
Oregon
British Columbia
Colorado
Wisconsin
Wisconsin

STUDIES AND REPORTS ON HYDROELECTRIC PROJECTS AND DAMS

Aurora Site
Four Sites
Ashtabula Site
Austin Dam
Big Sandy River Site
Bull River Site
Benham Falls Site
Channahon Site
Crane Creek Site
Cheat River Site
Spokane River Site
Muscodia Site
Mosinee Site
Honey Creek Site
Grandfather Falls Site
Hamilton Site
Chalk Hill Site
Eight Sites
Rondowa Site
Pine River Storage and Dam Sites
Big Quinnesec Falls Site
East Fork Storage and Plant Area
Report and Plans on Dam
Valuation of Burson Knitting Company Dam
Power Studies
Flood Studies
Studies of Hydroelectric Plants and System
Storage Charges, Cornell Wood Products Company
Radisson Site
Spillway Capacity and Dam Studies
Daves Falls Site
Oconto River Sites
Hatchet Creek Site
Presque Isle Water Power
Spring Rapids Site

Tennessee River
Grand River, Oklahoma
Ashtabula River, Ohio
Colorado River, Texas
Pennsylvania
Canada
Des Chutes River, Oregon
Des Plaines River, Illinois
Idaho
Pennsylvania
Spokane River, Washington
Wisconsin River
Wisconsin River
Wisconsin River
Wisconsin River
Colorado River, Texas
Menominee River, Wisconsin
Flambeau River, Wisconsin
Rondowa River, Oregon
Crystal Falls, Michigan
Menominee River, Michigan
East Fork, Black River, Wisconsin
Rock River, Beloit, Wisconsin
Rock River, Rockford, Illinois
Black River Falls, Wisconsin
Black River Falls, Wisconsin
Stoughton, Wisconsin
Cornell, Wisconsin
Chippewa River, Radisson, Wisconsin
Coralville, Iowa
Pike River, Amberg, Wisconsin
Oconto River, Wisconsin
Hatchet Creek, Mississippi
Wakefield, Michigan
Crivitz, Wisconsin

A survey of the Missouri River and a report on five water power sites for the State of South Dakota.
Hydraulic model studies, report, and plans for additions to Prairie du Sac plant, Wisconsin River.
Water power and irrigation survey and report for sites on Niobrara River, Nebraska.
Model studies, report and plans for addition to Kilbourn plant, Wisconsin River.

PROJECTS COMPLETED OR IN PROGRESS
FROM 1950 (DATE OF PUBLICATION OF BROCHURE)
TO JUNE 30, 1952

Sewage Facilities

1. As an associate with Carl Ames, Architect of Milwaukee, we have made a report on the sewage facilities for the Rock County Hospital and Home, near Janesville, Wisconsin.
2. We have designed the facilities, including the storm and sanitary sewers, and the general layout of the Blackhawk Park development in Madison; this includes 135 houses and is, roughly, a \$2,000,000 project.
3. Blooming Grove, which is a township located outside of Madison. We have designed their sanitary sewers. This project amounted to \$120,000.
4. Grant County Hospital and Home - We are designing a complete sewage disposal system for these institutions.
5. We are handling the industrial waste disposal problem for the Gisholt Machine Co. in Madison.
6. Westby, Wisconsin - Survey and design of storm sewers.
7. Dousman Masonic Home - Design and improvement of sewage treatment facilities.
8. We are making a report on the water and sewage facilities involving present and future needs for the University of Wisconsin.
9. Marshall, Wisconsin - Design and supervision of construction of a sewage treatment plant and sewage system - at a cost of \$200,000.
10. Oscar Mayer Co. - Special problems concerning design of pumping station and sewer alteration so that the effluent for the plant would be accepted by the Madison Metropolitan Sewerage District.
11. Madison Metropolitan Sewerage District - Report in progress on effluent diversion. Investigation of routes for this diversion. Supplemental irrigation project is being studied - estimated cost is \$3,500,000 to \$5,000,000. Joint report with Greeley and Hansen, Chicago.

Power Projects

12. City of Fennimore, Wisconsin - We have been doing work in connection with the installation of a diesel electric plant for the municipality.
13. Cornell Wood Products Co. - Cornell, Wisconsin.
 - (a) Report on Little Falls, Minnesota, water power site on Mississippi River.
 - (b) Report on special problems at hydroelectric plant at Cornell, and consultation on structural problems in connection with new building.

Power Projects (continued)

14. Madison Gas and Electric Co. - Installation of a 30,000 kw turbine including all auxiliaries - at a cost of \$2,000,000.
15. Wisconsin Michigan Power Company projects - Estimated cost, \$5,000,000. Includes Lower Paint Dam and diversion canal, Michigamme Hydroelectric Plant, and Hemlock Falls Hydroelectric Plant.
16. Wisconsin Power and Light Company - We have been consulted on problems connected with hydraulic problems at Beloit, Prairie du Sac, Wisconsin Dells, and Rockton.

Buildings

17. Wisconsin Power and Light Company - Designing and remodeling district offices and buildings - amounting to \$843,500.
18. Reedsburg, Wisconsin - Survey and report on foundation for proposed Reedsburg High School.
19. City of Madison - Modification of proposed service building for the Madison Water Department.

Water Supply - Purification

20. Sanna Dairies - Water supply problem at Vesper, Wisconsin.
21. City of Black River Falls - Design and general supervision of a water filtration plant for the city - cost \$125,000.

Drainage and Irrigation

22. Green County, Rock County and Marsh Creek, Wisconsin. This work involves drainage of marsh land.

Missouri River Project

23. Three reports on the six main stem dams and reservoirs on the Missouri River - flood control, irrigation, navigation and power at the main stem plants.

National Defense

24. Truax Field at Madison, Wisconsin; Associated with John J. Flad and Associates in the rehabilitation of Truax Air Force Base. Some of the major items of this construction program were the extension of the taxiway, alert apron, alert hangar, aircraft refueling system, runway lighting, airfield drainage, etc. This project was approximately \$4,000,000.

Miscellaneous

25. Wisconsin State Conservation Commission - Consultation on design for the proposed Yellowstone and Cox Hollow Dams.
26. University of Wisconsin - Report on parking project.
27. Wisconsin Highway Commission - We have done 7-1/2 miles of highway design, and are at the present time working on 18 miles of complete survey and design.
28. Clark County, Wisconsin - Design and supervision of construction of a recreation dam - approximately \$65,000.