

Here are some comments by Roger Conklin on this piece (page references are PDF page numbers):

I notice that the page with the past presidents includes Wallace DeWolf. He was Milo's brother-in-law who was the traitor who secretly sold Milo's controlling shares of stock to the Bell mafia that intended that Kellogg be the sacrificial lamb in a massive lawsuit that would put all of the Independents that had purchased Kellogg's switchboards out of business. (See when "W. E. Controlled Kellogg" by Roger on kelloggtelephone.com)

In the Management pictures on page 8, I remember Francis Parsons and Harry Nordberg. Harry was the purchasing manager at Kellogg when I arrived and when I left. Jim Kellogg was the president when I started in '51, but soon after ITT took over he retired.

Among the Managerial Staff there are several that I remember personally: E. W. Miller, manager apparatus sales, E.R. Sears, San Francisco Sales, Bert A. Wallace, assistant engineering manager, F. B. Longfellow He was my immediate boss as assistant chief installer when I worked on the San Juan conversion in Puerto Rico. He was retired from Western Electric when he came to Kellogg. G.H. Brodie, he was a PhD, and was an authority on telephone transmission, Jim M. Lindsey was the sales manager for Puerto Rico and Cuba when I was involved with Puerto Rico. He was in charge of sales in Cuba when Castro came into power and took over the Cuban Telephone Company. He died in Puerto Rico and I attended his funeral there. W. C. (Bill) Cregeen was the person that opened up the Corinth facility and was its general manager when the K-500 was moved from Chicago to Corinth, Miss.,

The picture on page 16 at the bottom, is the Kellogg plant on Cicero Avenue where I worked.

In the list of employees with over 15 years of service is Joe Trezak, who was my boss for a few months. He was in charge of industrial engineering. He died of a heart attack while I was at Kellogg. My wife also worked for him for a while when we were first married, before she went back to teaching school. Morris Rose was one of the engineers whose name appears on the 9900 telephone patent (US Design Patent RD20999, February 7, 1939).

Roger Conklin

6/29/2007

A page from the Western Electrician Magazine (PDF page 31), January 5, 1901 issue has the same photograph of Kellogg engineers that is on PDF page 28. This story in the Western Electrician has some interesting historical points in it, however the interesting part is that two of the people pictured are misidentified in the Messenger caption. Assuming that the 1901 publication would more likely be correct, it being in the same time period as the photograph (1898-1900), than one fifty plus years later. I feel sure that the photograph was furnished to the Western Electrician by Kellogg rather than being taken for the purpose. The first person's name I believe (far left) is just a typo J. Henry Lindi is misspelled in the Messenger as Sinda. J.C. Neely (second from left) is misidentified as George Burlingame in the Messenger caption.

7/19/2008

Scanned by Mike Neale from an original document furnished by Wayne Merit, Curator, JKL Museum of Telephony, Stockton CA.

Western Electrician page scan furnished by Rob Honeycutt.

KELLOGG MESSENGER

APRIL 1947

Vol. 5, No. 4



Golden Anniversary Edition

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The KELLOGG MESSENGER magazine is published by and for the employees
of

KELLOGG SWITCHBOARD AND SUPPLY CO.

6650 S. Cicero Ave.

Chicago 38, Ill., U.S.A.

Editor

John Waring Jr.

FOREWORD



On April 28, 1897 the Kellogg Switchboard and Supply Company was founded and dedicated to the science and traditions of the telephone communication industry. Now, fifty years later, we are celebrating our semi-centennial anniversary.

This edition of our employees' publication has been prepared as a keep-sake for the many hundreds of the Company's friends. We hope you will read it and come to know the story of our Company which has grown to maturity in the American Way of Life. Herein we give a collection of fond memories of eventful days gone by, a portrayal of our present activities and a preview of our future.

It is a genuine pleasure to present to you this volume and to greet you upon this occasion.

Our Company started modestly with a few men of great enthusiasm and courage behind it. We have achieved a respected place in the business world largely owing to the skill and loyalty of the fine men and women who are, and those who once were, associated with us.

Over the years, we have striven, in peace and in war, to serve and to progress. Our plans for the on-coming half-century are to continue to serve, to progress and to achieve, adhering to such proven principles as are symbolized by the words "fair-play" and "quality". Yes, we shall advance — with the cooperation, interest and goodwill of all our friends: employees, customers, suppliers and shareholders alike.

PRESIDENT

WAR DEPARTMENT
 Chief of War Mater. Div.
 Washington 25, D. C.
 14 March 1947

Mr. J. H. Kellogg, President
 Kellogg Switchboard & Supply Company
 6650 South Cicero Avenue
 Chicago, Illinois

Dear Mr. Kellogg:

Upon the occasion of the 50th anniversary of the Kellogg Switchboard & Supply Company, I desire to express my congratulations and wish you many more years of successful operations.

For many years the association of your company with the Signal Corps has been very close and to my knowledge, during the past few years, your company has rendered excellent service in the production of communication equipment. Our relationships have always been pleasant and satisfactory and I am sure they will continue to be so in the future.

Very truly yours,
W. O. Reider
 W. O. REIDER
 Brigadier General, Signal Corps
 Acting Chief Signal Officer

The Union National Bank of Illinois
 CHICAGO, ILLINOIS

March 15, 1947

Kellogg Switchboard & Supply Company
 6650 South Cicero Avenue
 Chicago 16, Illinois

Gentlemen:

We understand that your company is celebrating its fiftieth anniversary on April 28th of this year, and we take this opportunity of

ILLINOIS
STATE CHAMBER OF COMMERCE
 ROOM 1001, NORTH WACKER DRIVE - CHICAGO 1
 TELEPHONE FRANKLIN 8000 - TWENTY SEVEN FLOOR

March 10, 1947

Mr. James H. Kellogg, President
 Kellogg Switchboard & Supply Company
 6650 South Cicero Avenue
 Chicago, Illinois

Dear Mr. Kellogg:

It is a great privilege for us to extend to you the congratulations of the Illinois State Chamber of Commerce on the celebration of your fiftieth anniversary of continuous operation in this State.

During all this period your organization has been a worthy contributor to the economic growth of this State. We trust that your future growth and progress will continue to be a source of pride and satisfaction to all of us.

With kind regards, I am

Very truly yours,
Leo J. Haggerty
 Leo J. Haggerty
 President


OFFICE OF THE GOVERNOR
 SPRINGFIELD

OSWALD H. GREEN
 GOVERNOR

March 4, 1947

Mr. Harry C. McCloskey, Executive Vice President,
 Kellogg Switchboard and Supply Company,
 6650 South Cicero Avenue,
 Chicago 16, Illinois.

Dear Mr. McCloskey:

It has come to my attention that the Kellogg Switchboard and Supply Company is this year celebrating its fiftieth anniversary.

Permit me to extend to you and the personnel of the Company hearty congratulations upon the achievement of this milestone in the life of your business enterprise.

The great growth which your company has experienced is eloquent testimony to the excellence of its products and services. It is gratifying to me, as Governor, that our State is the home of this leading manufacturing concern.

The remarkable record of war production made by the Kellogg Company also is one of which your entire organization may be proud. The progressive spirit demonstrated by this Company through the years augurs well for its continued success.

With this letter go my best wishes for many more years of successful business life for the Kellogg Company.

Sincerely,
Oswald H. Green
 OSWALD H. GREEN
 GOVERNOR

PHILCO CORPORATION
 PHILADELPHIA
 PENNSYLVANIA

March 27, 1947

Mr. James Kellogg,
 Kellogg Switchboard & Supply Co.,
 6650 South Cicero Avenue,
 Chicago 16, Illinois

The National City Bank
 of New York
 New York 15, N. Y. Date: 3/23/47

VIA AIR MAIL

Mr. H. C. McCloskey
 Chicago, Ill.

STROMBERG-CARLSON COMPANY
 400 W. WASHINGTON
 CHICAGO 10, ILL.
 March 16, 1947


LEICH SALES CORPORATION
 477 W. RANDOLPH ST., CHICAGO 4, ILL. - FRANKLIN 3931

March 14, 1947

Mr. James H. Kellogg, President,
 Kellogg Switchboard & Supply Co.,
 Chicago, Ill.

Dear Jim:

Word has just come to me that your good company is celebrating its 50th anniversary in 1947.

WALLACE COOK
 CHICAGO, ILLINOIS

Mr. James H. Kellogg, President
 Kellogg Switchboard and Supply
 6650 South Cicero Avenue
 Chicago, Illinois

Dear Jim:

Please accept my sincere and hearty congratulations on the fiftieth anniversary of the Kellogg Switchboard and Supply Company.

Your company has made many contributions to the progress and development of the communication industry. Kellogg's

Reliable

ELECTRIC COMPANY
 3143 CARROLL AVENUE
 CHICAGO 12

AUTOMATIC ELECTRIC COMPANY
 EXECUTIVE OFFICE
 400 W. WASHINGTON
 CHICAGO 10, ILLINOIS
 March 14, 1947

C. B. CADWELL, Executive Vice President

Mr. James H. Kellogg, President
 Kellogg Switchboard and Supply Company

BARTHOLOMAW & CLARKSON
 INSURANCE
 118 West Jackson Boulevard
 CHICAGO 4, ILLINOIS

March 6, 1947

COOK ELECTRIC COMPANY
 THE COMPANY OFFICE
 CHICAGO

EMERSON SERVICE

James H. Kellogg

Kellogg Switchboard & Supply Company
 6650 South Cicero Avenue
 Chicago 16, Illinois

Attention: Mr. Harry C. McCloskey
 Executive Vice President

Gentlemen:

On the occasion of the fiftieth anniversary of Kellogg Switchboard & Supply Company the partners and stockholders of this company

KENSHVILLE TELEPHONE COMPANY
 KENSHVILLE, TEXAS

March 14, 1947

Dear Mr. Kellogg:

On the occasion of the fiftieth anniversary of the Kellogg Switchboard & Supply Company, we wish to extend to you and your company our sincere congratulations and best wishes for continued success and growth.

We are proud to have your company as a customer and we hope that our service will continue to be of value to you in the future.

Sincerely,
 J. H. Kellogg

THE ELECTRIC STORAGE BATTERY COMPANY
 PHILADELPHIA, PA.

EXECUTIVE OFFICE

March 11, 1947

A great number of congratulatory messages were received, and all are gratefully acknowledged. A few are shown above.



Presentation of gold telephone by George Ernst in behalf of all the Company's employees, to President James H. Kellogg.

George, who works in the Milling Department, started to work in February, 1898, for Milo G. Kellogg, less than a year after the Company was founded. He is still on the job.



KELLOGG COMPANY'S PAST PRESIDENTS

Across Five Decades of Progress



Milo G. Kellogg



Wallace L. DeWolf



Leroy D. Kellogg



J. B. Edwards



W. L. Jacoby



G. A. Yanochowski

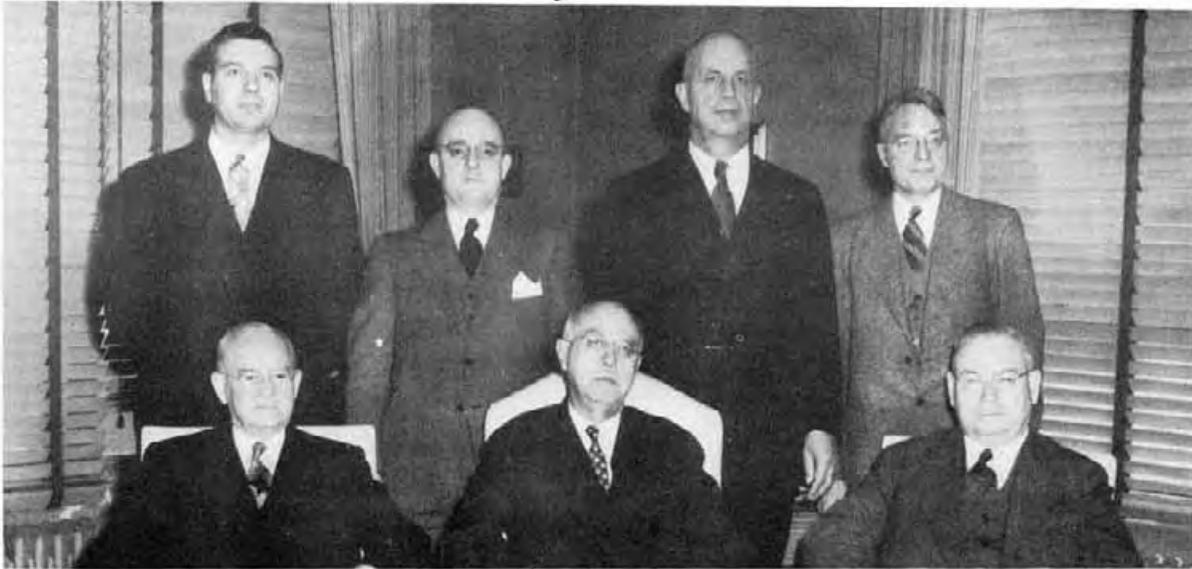


Maurice K. McGrath



James G. Kellogg

Board of Directors



LEFT TO RIGHT: (seated) John J. Bryant, Jr., Chairman James G. Kellogg, Harry C. McCluskey; (standing) James H. Kellogg, Claude D. Manning, John P. Hooker, S. Ashley Guthrie.

Management



Harry C. McCluskey
Executive Vice President
and Treasurer



Harvey O. Edson
Assistant Treasurer
and Assistant Secretary



Francis M. Parsons
Sales Manager



James H. Kellogg
President



James G. Kellogg
Vice President and
Assistant Secretary



William A. McCracken
Works Manager



Charles P. Soper
Patent Attorney



Claude D. Manning
Vice President
and Secretary



Norman H. Saunders
Engineering Manager



Harry O. Nordberg
Purchasing Agent

Managerial Staff



H. D. Hurlbut
Assistant Sales Manager



E. W. Miller
Manager Apparatus Sales



A. O. Perry
Manager Switchboard Sales



C. E. Brown
Manager Supply Sales



J. G. Beckley
Mobile Radio Sales



R. B. Miles
Manager Western Division
(Kansas City)



E. R. Sears
Manager Pacific Coast Division
(San Francisco)



C. F. Fairly
District Manager
(Los Angeles)



B. A. Wallace
Assistant Engineering Manager



F. B. Longfellow
Supervising Apparatus Engineer



G. H. Brodie
Supervising Research Engineer



H. H. Stanley
Chief Installer



F. Nydam, Jr.
Engineer of Manufacture



V. J. Flood
Production Control Manager



J. A. Petrick
Personnel Manager



J. A. Hartwick
Factory Engineer



J. R. Maltack
Chief Accountant



E. T. Killoven
Chief Estimator



F. T. Lenea
Credit Manager



E. N. David
Cost Accounting Manager



A. Mowatt
Manager Export Sales



W. L. Jones
Manager Government and Industrial Sales



A. B. Langston
Sales Engineer



W. D. Burke
Sales Engineer



J. Houghtaling
District Manager (St. Paul)



T. R. Schweer
District Manager (Columbus)



J. M. Lindsey
Manager Select-O-Phone Sales (Kansas City)



J. I. Bellamy
Assistant Patent Attorney



A. W. Gabel
Chief Draftsman



G. Kiner
Supervising Manual Equipment Engineer



L. C. Kohler
Supervising Dial Equipment Engineer



J. J. McGrath
Supervising Circuit Design Engineer



A. E. Strong
Shop Superintendent



W. C. Cregeen
Assistant Shop Superintendent



W. A. Taube
Chief Inspector



G. R. Barton
Assistant Purchasing Agent



J. F. Changelon
Order and Billing Manager



P. Vetter
Paymaster



N. T. Axman
Staff Attorney



J. Adametz
Internal Auditor



The Kellogg Switchboard and Supply Company —It's Founding and Growth

A history of the Kellogg Switchboard and Supply Company would be incomplete if the account were to begin only with the official date of organization of the Company on April 28, 1897.

Milo Gifford Kellogg, founder and first President of the Company, had been actively associated with the rise of the telephone industry from its inception in 1876 in both production and operations fields.

By the 1890's, when he decided to devote his life to the Independent telephone industry, he was already known as a pioneer in the development of telephone apparatus and circuits. . . his keen knowledge of the field of communications and its future is well illustrated in the fact that the United States Patent Office granted him 125 patents in one day.

Furthermore, he was already familiar with the public's use and need of telephones, having taken part in the management of numerous operating companies, such as the Cumberland Telephone Co. and the Central Union Telephone Co.

In 1896 a group of leading citizens in St. Louis, Mo., concluded that they could secure adequate telephone service for the city by supplying it themselves. They organized the Kinloch Telephone Co. and arranged with Milo G. Kellogg to build the necessary switchboard and telephones.

Associated with Mr. Kellogg in the production of this first Kellogg switchboard, as well as succeeding ones, were Francis W. Dunbar, William W. Dean, Kempster B. Miller, and other young men with practical ideas on the development of telephone equipment.

These men were to play even more important parts later in the field of Independent telephony.

The Kinloch switchboard for St. Louis was built in an old unused schoolhouse in Highland Park, Ill., the original home of the Kellogg Switchboard and Supply Company.

This first job tackled by the fledgling Company turned out to be *the largest manual switchboard that had ever been built and housed in one exchange room up to that time.*

This multiple board was completed early in 1898 and installed in St. Louis that summer by a crew of more than 50 men.

Telephone men can readily realize the difficulties that attended the installing of such large equipment by a newly organized firm.

Mr. Kellogg visited the work at frequent intervals, watching its progress with the keenest interest. One former employee, Frank Taubeler, who was one of the crew at Kinloch, once recalled the scene of these visits:

"...he paced back and forth from one end of the room to the other. A very imposing figure he was. There wasn't a thing that escaped his eye. Mr. Kellogg was a thoroughly democratic individual and quickly won the confidence and respect of those who worked for him. I cannot but realize now, what big moments those were for him—the biggest exchange in the United States and the first move in the Independent cause."

It was said at the time that although the new Company might build the switchboard, it would never be installed and operated. It was installed and it was operated. . . in fact, several months after the exchange had been opened for service, more sections were ordered by the Kinloch Co.

Large Kellogg switchboards were built and installed in rapid order in many cities—some of the earliest being at Indianapolis and Anderson, Ind., Wilkes-Barre, Pa., Cleveland, Ohio, Philadelphia, Pa., Buffalo, N. Y., Los Angeles, Calif., and in many foreign countries such as England, Italy, China, Peru, Canada, Brazil, etc.

During the first seventeen years of Kellogg's existence, the Company's production records show that more than 9,000 switchboards were built and installed.

In those early years, the Company similarly began to introduce several important changes in telephones. . . such as the first American-made cradle or handset model. This design became popular from its inception in 1905 and was known as the Grabaphone.

Since its earliest days, Kellogg has pioneered with many innovations and improvements which are now commonly accepted by the industry and the public alike.

Throughout the fifty year history of the Company, the Kellogg family has been closely associated with and has taken a leading part in the management of the Company which bears the family's name. Messrs. LeRoy D. Kellogg and James G. Kellogg, sons of the founder, have served as presidents and directors of the Company as has Wallace L. DeWolf, the late brother-in-law of Milo G. Kellogg. James H. Kellogg, grandson of the founder of the Company, last year succeeded his father, James G. Kellogg, now Chairman of the Board, as President.

Today, the Company's chief products are, as always, telephones and switchboards—and now feature the modern handset telephone (1000 Series Masterphone) and the dial board (Relaymatic).

Related communications equipment manufactured by the Company includes:

- Carrier circuit systems
- Credit Authorizer systems for Department stores
- Select-o-Phone system for inter-office communications
- Telegraph equipment
- Microphones, etc.

In addition, Kellogg provides Independent telephone companies with all equipment necessary for the construction and operation of an entire "outside plant"—poles, cross-arms, cable, wire, linemen's gear, insulators, batteries, and similar materials.

The Company also supplies to the Independent industry complete mobile radio systems. Through an exclusive working agreement with the Philco Corporation, Philadelphia, Philco's mobile radio equipment and Kellogg telephone apparatus are distributed as a unit for use in serving private automobiles, taxicabs, trucks, fishing vessels, yachts, etc.

The Company maintains warehouses in Kansas City, Mo., San Francisco, Calif., and New York City, N.Y., to facilitate distribution of its products.

The Kellogg Company is proud of the leading part it has played in the progress of the Independent telephone industry and communications in general during the last half century.

Kellogg's modern factory and offices cover nine acres in the Clearing Industrial District of Chicago.

The latest additions to this plant are further evidence of the Company's confidence in a greater future in America's communications industry.



The crew that installed the first big Kellogg switchboard at Kinloch Telephone Co., St. Louis in 1898.

OLD TIMERS

GALLERY



Joe Dvorak, Foreman, as he looked 34 years ago.



Jesse A. Hartwick, Factory Engineer, as he looked in 1910.



Joe Fromm, Electrician, on the job since March 1898.

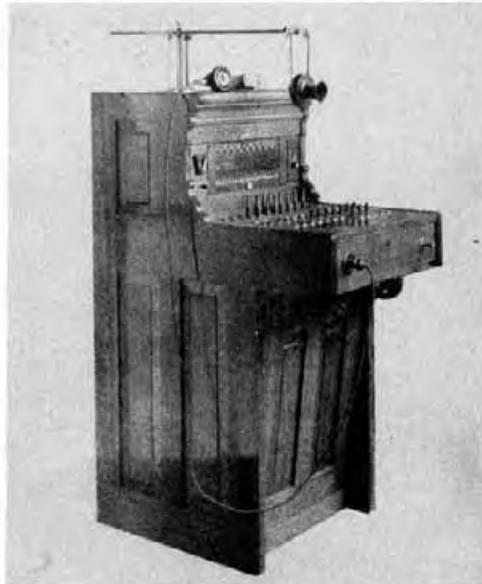
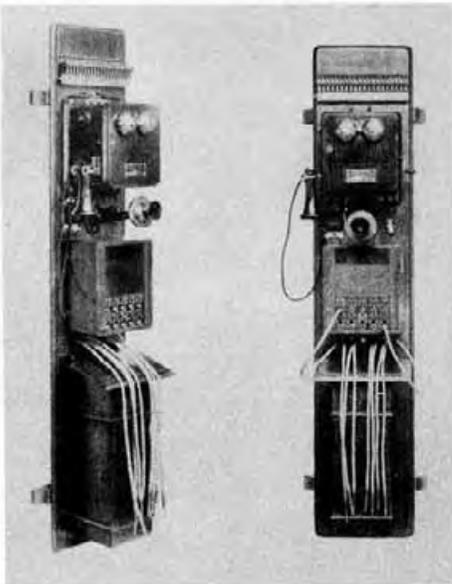
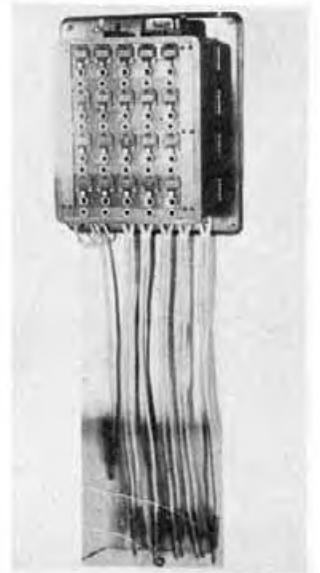


George Veith, Production Supervisor, as he looked while serving with the A.E.F. in World War I.



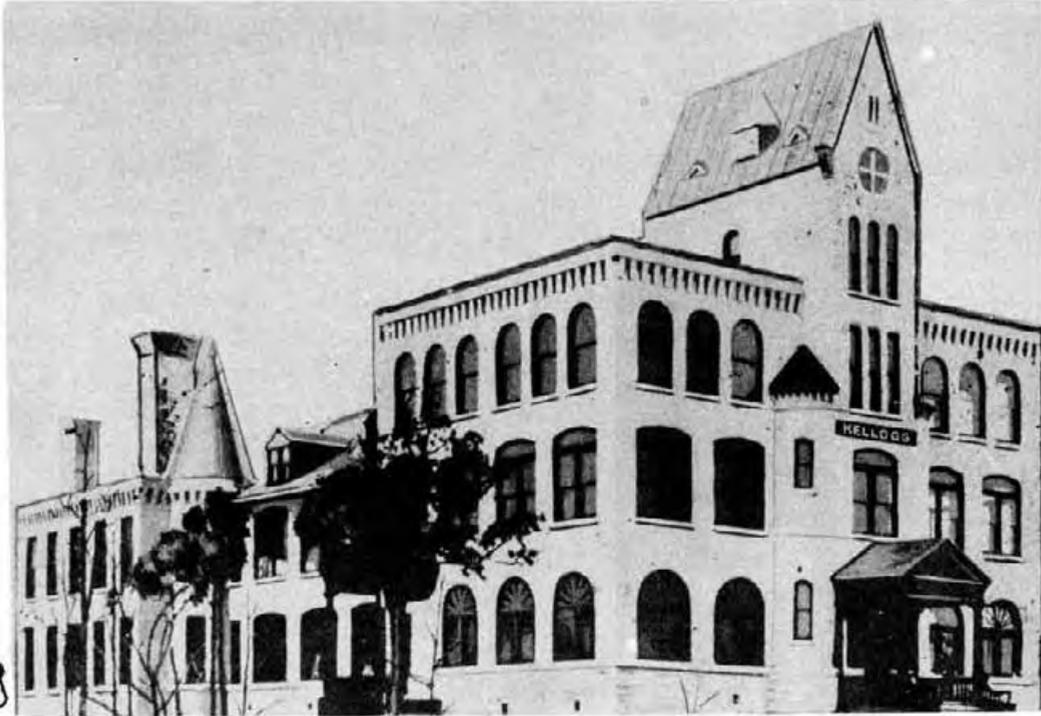
ellogg Has Always Built Superior

Telephones and Switchboards



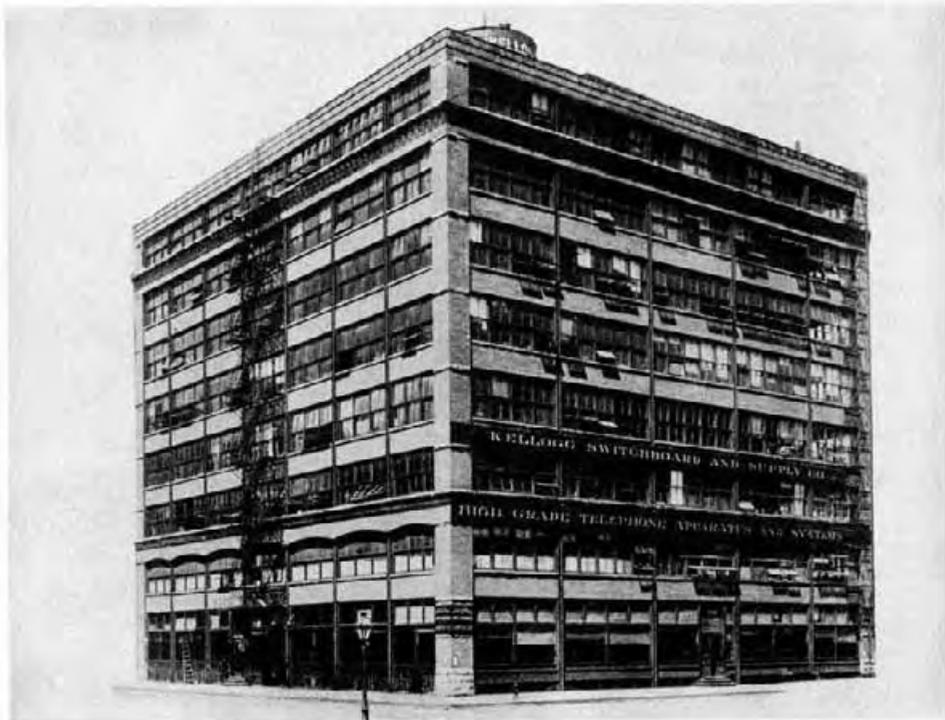
Kellogg Plants

Past and Present



1897 HIGHLAND PARK

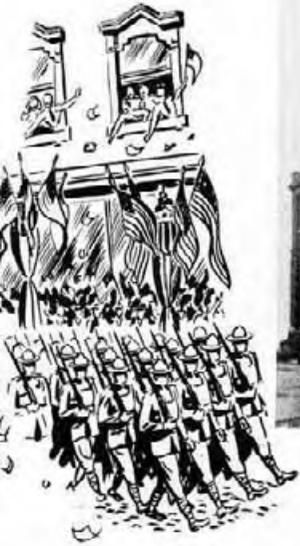
The first Kellogg telephones and switchboards were manufactured in this factory, a former school building, at Highland Park, Ill.



1898 CONGRESS & GREEN STREETS

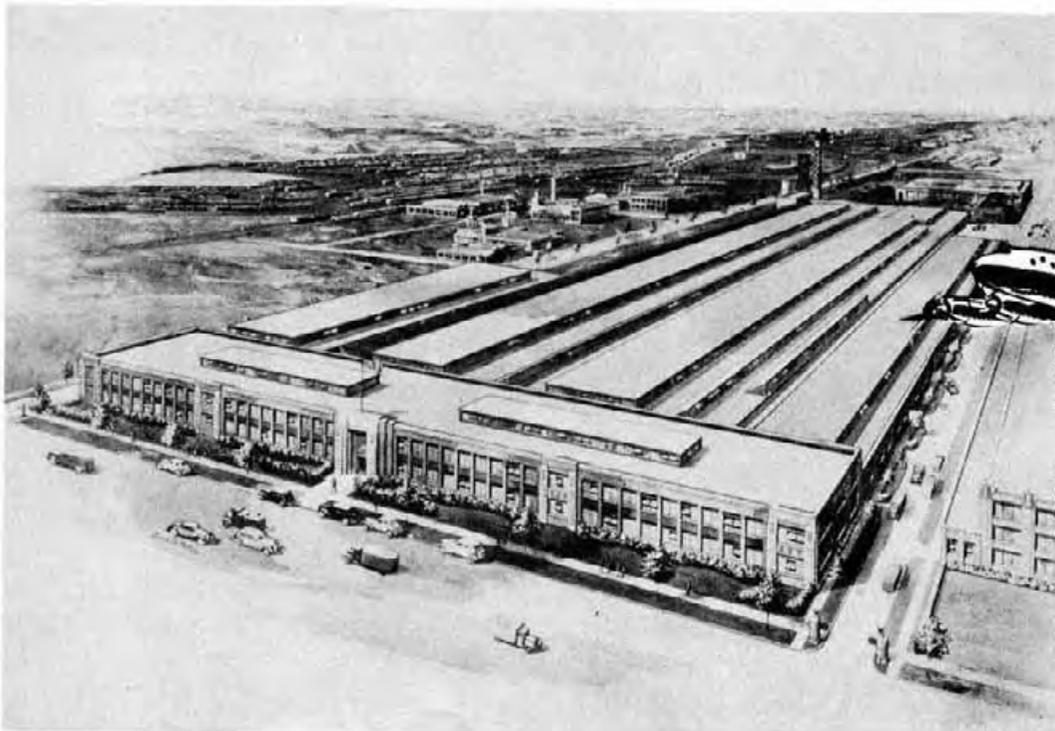
Kellogg moved into this building at the corner of Congress and Green streets, Chicago.





1914 ADAMS & ABERDEEN STREETS

The operations of the Company were moved into new headquarters at Adams and Aberdeen streets.



The present home of the Company—a large, modern factory and office building completed and occupied on May 1, 1938.



1897

1897



April 28: Kellogg Switchboard and Supply Company organized and incorporated with Milo Gifford Kellogg, the founder, as first President. There are only 515,200 telephones in use in the United States. Wm. McKinley is inaugurated President of U.S.

1898

The first switchboard built by the Kellogg Company—and largest manual board ever built and housed in one exchange room, up to that time—is installed at Kinloch Telephone Co., St. Louis, Mo.

1899

Kellogg Company moves from Highland Park to a factory at Congress and Green streets, Chicago.

1900

Paris Exposition opens. Hurricane and tidal waves nearly destroy Galveston, Tex.

1901

Marconi signals the letter "S" in code across the Atlantic Ocean via radio-telegraph.



1902

Wallace L. DeWolf elected President of the Company. Panama Canal territory bought by United States.

1903

Kellogg introduces the "four-frequency" harmonic telephone system. First telegraph cable under Pacific Ocean links San Francisco and Hawaii.

1904

St. Louis Exposition opens commencing Louisiana Purchase.

1905

Kellogg introduces the first American-made cradle type telephone.



1906

James G. Kellogg, second son of the founder of the Company, graduates from Cornell University with a Mechanical Engineering degree.

1907

Lee DeForrest invents the audion tube, opening up way for voice radio (broadcasting).

1908

Peary starts for the North Pole, first man to reach it.

1909

James G. Kellogg elected a Director of the Company.

1910

Milo G. Kellogg passes away in September.

1911

Leo Baekeland develops new plastic molding powder (Bakelite).

1912

LeRoy D. Kellogg, a son of the founder, elected President of the Company.



1912

C. P. Rogers makes first airplane flight across North American Continent—time, 84 hours.

1912

Mercury vapor lamp perfected. Liner Titanic sunk in North Atlantic by iceberg.

1913

A Kellogg magneto switchboard, installed this year at Wusieh, China, is the first telephone switchboard to be operated by Chinese girls.

A Kellogg switchboard with 520 Kellogg telephones installed this year on the new Great Lakes passenger steamer Seandbee.

1914

Kellogg Company moves into new factory built especially for it, at Adams and Aberdeen streets. World War I, in Europe.

1915

J. B. Edwards is elected President of the Company. By this year, over 9,000 switchboards bearing the name Kellogg are in use throughout the world.

1916

New addition built to Kellogg plant at Adams and Aberdeen. X-ray electronic tube invented by American scientist. First helicopter patented.



1917

Germany begins unrestricted submarine warfare. United States declares war.

Kellogg goes full steam ahead for war effort, building ignition apparatus for Liberty motors, naval range-finding equipment, and thousands of field telephones and switchboards.

1918



World War I ends with Armistice. Kellogg picnic held in Jackson Park.

1919

Three U.S. Navy seaplanes cross the Atlantic Ocean.

1920

Radio broadcasting begins. World's first radio-telephone circuit opened for conversations between Long Beach, California, and Santa Catalina Island.

1921

Telephone cable completed undersea between Key West, Florida, and Havana, Cuba.

1922

Insulin invented by Banting and Best. Anti-knock gasoline invented by Thomas Midgley.

1923

Radio telephony demonstrated for first time between New York City and London, England.

1924

Prince of Wales begins American tour.

1925

Nine-Power armament reduction treaty signed in Washington, D.C. Dry ice first manufactured.

1926

Admiral Byrd flies over North Pole. Talking motion pictures shown. Television patented.



1927

Charles A. Lindbergh flies across Atlantic Ocean alone and lands in Paris.

W. L. Jacoby is elected President of the Company.

1928

Herbert Hoover elected President of the United States.

First autogyro successfully flown.

1929

Kellogg introduces bronze drop wire to the Independent telephone industry.

Admiral Byrd flies over the South Pole.

1930

The first Kellogg Masterphone—700 Series—is introduced.

W. L. Jacoby passes away.

G. A. Yanochowski is elected President of the Company.

1931

Kellogg introduces the Masterbuilt line of switchboards.

U. S. Navy dirigible Akron, built this year, is equipped from stem to stern with Kellogg intercommunication system.

1932

Franklin D. Roosevelt is elected President of the United States.

1933

Chicago World's Fair opens.

Kellogg introduces the first non-positional transmitter. Kellogg introduces Triad circuit for improved telephone reception.

Wiley Post flies around the world alone—time, one week.

1934

Chicago World's Fair re-opens by popular demand.

1935

Kellogg introduces the 925 Series Masterphone with all working parts housed in the base.

Seymour Guthrie, Treasurer and Director, passes away—Harry G. McCluskey elected Treasurer.

1936

Prince of Wales becomes King Edward VIII., and in same year abdicates the throne to become Duke of Windsor.

1937

Kellogg introduces the Relaymatic line of dial-operated switchboards.

James H. Kellogg, son of James G. Kellogg and grandson of the founder of the Company, is elected Assistant Treasurer.

Amelia Earhart Putnam is lost over Pacific Ocean during an airplane trip around the world.



1938

A modern plant built by Kellogg for the manufacture of communications equipment is officially occupied by the Company on May 1st, in the Clearing Industrial District.

1939

G. A. Yanochowski passes away. Maurice K. McGrath is elected President of the Company.

World War II flares up in Europe.

1940

Defense Program started. Selective Service goes into effect.

1941

United States declares war after Japanese naval air forces attack Pearl Harbor.

1942

Kellogg Company celebrates its 45th year in midst of all-out effort for war production, continuing over war period.



1943

Maurice McGrath passes away.

James G. Kellogg is elected President of the Company.

James H. Kellogg is appointed Works Manager.

1944

More than 800 Kellogg employees are in the uniform of their country's armed forces . . . many are not to return from the fronts.

1945

President Roosevelt passes away. Vice President Harry S. Truman becomes President of the United States.

World War II ends with V-E Day on May 8 and V-J Day August 15.

Kellogg plant starts reconversion for peacetime production—announces new 1000-Series Masterphone.

1946

James G. Kellogg retires as President and is elected Chairman of the Board of Directors.

James H. Kellogg, third generation of the Kellogg family to serve as head of the Company, is elected President to succeed his father.

Ground is broken for a 50,000 square-foot addition to Kellogg plant. Kellogg arranges to supply Independent telephone industry with mobile radio-telephone systems.

Kellogg introduces short-haul single-channel carrier circuit for conservation of outside plant materials.

1947

There are now 31,500,000 telephones in the United States. A fully-reconverted, streamlined Kellogg factory is producing three times more telephony equipment than Jan.-Feb. 1946.

April 28: Kellogg Switchboard and Supply Company commemorating its 50th Anniversary . . . all looking forward to continuous progress and achievement!

Among Kellogg's Noteworthy Products



Kellogg Master Dial



Credit Authorizing Systems



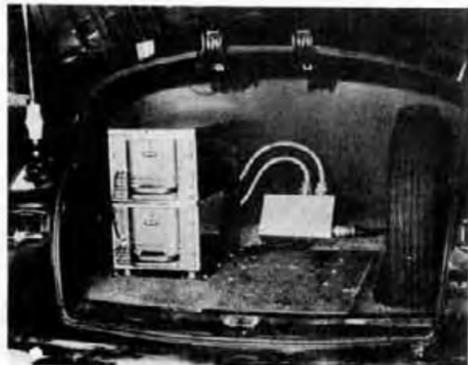
Telegraph Apparatus



Koiled Kord applications on communications, power, and heater equipment



Select-O-Phone Intercommunication System



Mobile Radio-Telephone



Power dispatcher equipment—nerve center of the Pennsylvania R.R. power grid.



Short-haul Carrier Circuit



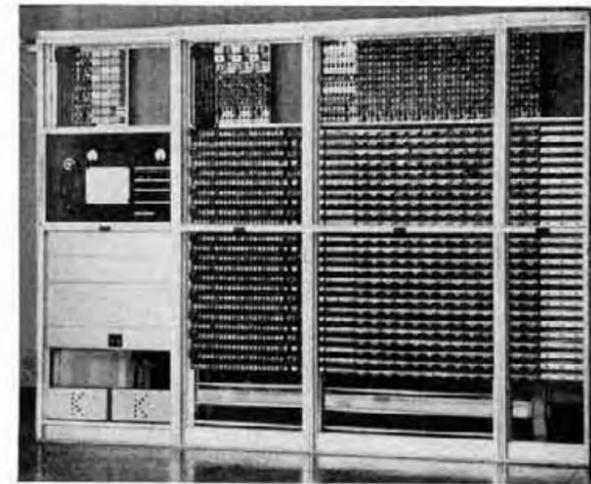
1000 Series Wall model Masterphone



1000 Series Desk model Masterphone



1200 Series Hand Generator Box



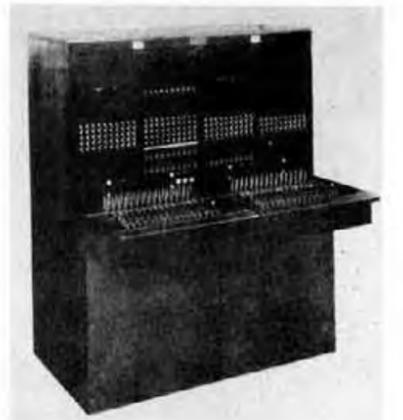
Relaymatic Switchboard



Outdoor Weatherproof Telephone



One-position Master-built Jr. Switchboard



Two-position Master-built Jr. Switchboard

Some of Kellogg's Wartime Products



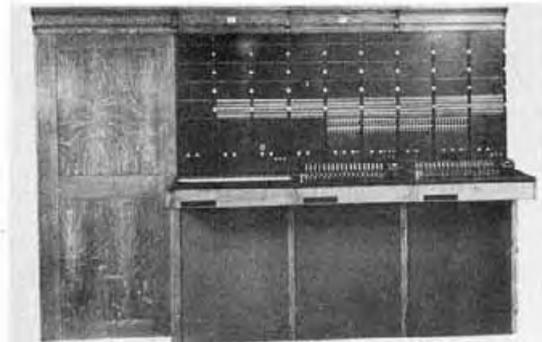
Portable (field) Telephone



Field Switchboard



Telephone Box



2800 line Manual Switchboard



Hand Microphone



Line Unit

World War I



Women employees back in 1917-18, "kept the home fires burning" with Red Cross work.



American doughboys "over there" with Kellogg field telephone equipment.

World War II



At the Kellogg plant in Chicago, employees participated in Red Cross.



GI using Kellogg field telephone equipment at the front.

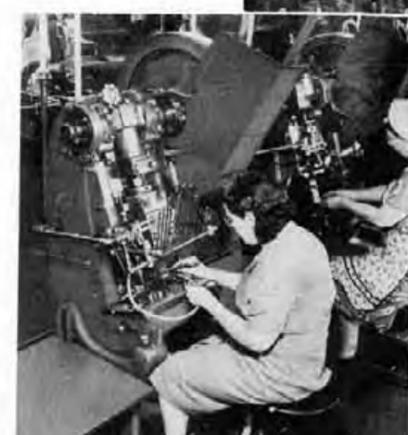
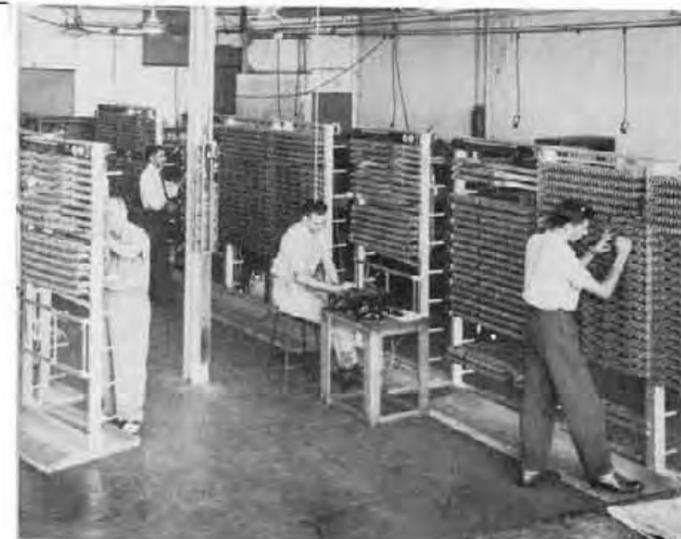
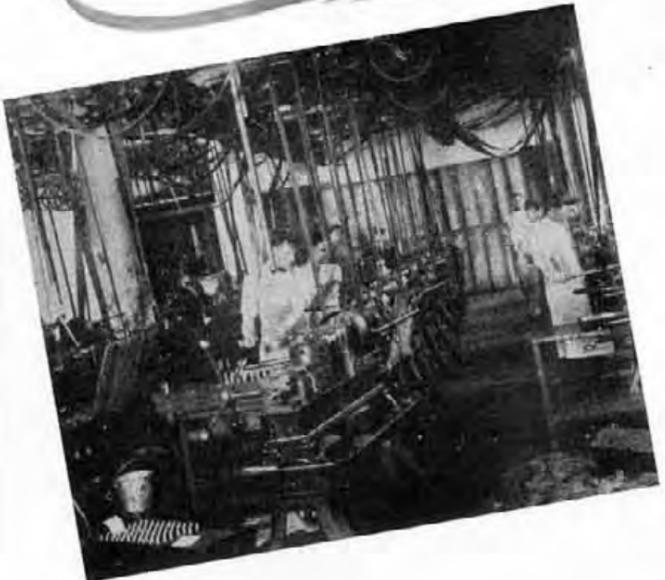


Kellogg equipment in use by the Navy.

Kellogg Factory Production Views

*In the
OLD DAYS*

**and
Today**



Employees With 15 to 50 Years' Service

Joseph Adametz	Vito Gervasi	Fred Letzel	George Schedin
Harold Anderson	Henry Glaubke	William J. Lindstrom	Arthur W. Schell
John J. Andry	Anna D. Gorz	Edward F. Linneweh	Sophie Schmanske
Josephine M. Baco	Rudolph Grab	John P. Lombardo	Lawrence J. Schmidt
Joseph Baltz	Emil Grochowski	Fred W. Long	Mae M. Schultz
Harry Baumann	Walter C. Gudchus	Waclaw Lubicz	Nellie Scott
Mathilda L. Belair	Sheldon Guess	Rudolph M. Lukas	Edgar Sears
John Bendzat	Frank Guskowski	Goldye G. Lustbader	Frank Serro
Anders Bengtsson	Conrad Hagerup	Emanuel McAvoy	John D. Shannon
Edward Berles	Christopher Hangtis	Harry C. McCluskey	John Shaver
Ethel M. Blundell	Joseph A. Hansen	Harriet Magoc	Mike Simon
John Bogner	Lola B. Hansford	Edward Mara	Helen Skowronek
Fred Boik	Jess A. Hartwick	Abe Martin	John Sloup
Joseph Bonk	Harry Heinichen	Edward Martynowicz	Freda Smith
Georgiana Bosh	Edward Helfenbein	Stella Martynowicz	Julia Sobolik
James E. Bosh	Jerry J. Herides	Joseph Marzec	Charles P. Soper
John Bosh	Clara Hillenbrand	Joe Mazurowski	Harvey H. Stanley
Louis Bosh	Edward Hoffman	Anna P. Meyers	Michael B. Staszak
John H. Brien	Frank Hoffman	Robert Miles	Myrtle Stemmer
Charles Brown	Hugh Hogue	Carl M. Miller	Charles R. Stenbom
Walter Burkhardt	Ervin Holubovsky	Herman R. Miller	Paul Stingley
Curtis Camp	Albert Holz	Elsie Mintz	Albert E. Strong
William Caprata	Jay Houghtaling	Mathew Mitchell	James Subert
Eunice S. Carver	George Hovorka	Blanche Muska	Anna A. Sullivan
Joseph F. Changelon	Hilbert R. Hundt	Daniel Nadolny	Arthur J. Swap
William Christopher	Harold Hurlbut	Marcella Naleway	Joseph Szerszen
Albert Cicha	Charles Jakel	Alex E. Nelson	William A. Taube
Gladys Ciotuszynski	Mary Janiszewski	Arthur W. Noak	Roy C. Theil
J. M. Cleveland	Anton Jendrysek	Joseph M. Nolan	Henry Thompson
Helen M. Collins	Arthur Jeschke	Albert Novotny	William J. Thurston
Rocco Corbino	Charles G. Johnson	Joseph Novotny	Nick Timmer
Daniel Corman	Stanley A. Kabat	Edward W. Osucha	Charles D. Tipton
Nathalie Couly	James G. Kellogg	Pasquale Palma	Stanley Toczek
Joseph S. Cwik	Anna Kerkes	John Palmer	James L. Trevillion
Richard D'Ambrosio	Edward I. Killoren	Frank R. Parker	Joseph Trezek
Florence David	William Kimmel	Francis Parsons	Antonio Triveri
Willie E. Davis	Glenn Kiner	Joseph Pavck	Martin Tunney
William A. Dechent	Eleanor King	John T. Pazier	Frank Tylick
Edith Detten	Helen Kleem	Elizabeth Pechar	Louis Tylick
Anna Doehle	Louis Koca	George M. Petersen	Frank Vancura
George C. Docekal	Vincent Koeck	Joseph A. Petrick	Edward Van Dyke
George Doubek	Lester C. Kohler	Otto Piotter	Richard Veitch
Harry Duchene	Charles F. Kolar	Arthur Pogue	George W. Veith
John Dvorak	Henry G. Kolar	William Polkow	Philip Vetter
Joseph Dvorak	Joseph Konieczny	Charles Puchmelter	Carrie Voita
Leo E. Engelman	Christine Kozik	Simon Pylipiak	Harold E. Wall
Albert G. Erdemann	Joseph Krabec	Tess Quigley	Bert A. Wallace
George Ernst	Leo Krause	Werner Raschke	Otto C. Wassmann
Chester F. Fairly	James Kriz	Charles Reese	Marion Wenderlich
Fred Fazekas	John Krygier	James R. Reichman	Albert Winter
Ralph Feasel	Rose Krzysik	Pietro Rizzo	J. F. Winters
Edward S. Fenceton	John Kuberski	Jacob Robinson	Stanley A. Wirtel
August Fiala	Anton W. Kuciver	Daniel B. Robison	Clarence A. Wolff
Thomas Finneran	Frances Kukeckus	Morris Rose	Harry Wrzesinski
Vincent Flood	Josephine Kukula	Richard G. Rouse	Thomas R. Young
Dominic Frecentse	Anthony Langston	Robert L. Rouse	Jerry J. Zak
Louis Fromelius	Edward Laskiewicz	Frank H. Russell	Victor F. Zalokar
Joseph Fromm	William Lasky	Elizabeth C. Sainer	Jerry Zamostny
Walter Fulle	Milton Lemberger	Mary C. Salemi	John A. Zaucha
Arthur Gabel	August Lemmler	Anthony Santry	Philip Zick
Paul Geraty	Frances T. Lenea	Mathias Schannon	

A Good Place to Work



PAID VACATIONS

All employees are eligible for paid vacations depending on length of service.



PAID HOLIDAYS

Employees are paid for the principle national holidays even though the plant may be normally closed on those days.



INSURANCE

A group insurance program, including life, accident, sickness, hospital, and surgical benefits, is offered all employees at low cost to the employee.

Additional protection is available to employees through the Blue Cross Plan for Hospital Care.



THRIFT CLUB

The Thrift Club is operated by employees as a convenient means of saving money. The Club also lends money to employees who need financial assistance in meeting personal obligations.



VETERAN EMPLOYEES' CLUB

More than 250 men and women of the Company are members of the expanding group known as the Veteran Employees' Club composed of those employees having fifteen or more years' service with Kellogg.



SERVICE EMBLEMS

Every six months the Company presents each employee who has been with Kellogg five years or an additional five years, with a distinctive service pin.



EMPLOYEES' MANUAL

An illustrated manual, describing briefly the Company's history, products, and services, is given every new employee on his or her first working day.



EMPLOYEES' MAGAZINE

Every month all employees receive a copy of the **KELLOGG MESSENGER** which brings news of fellow workers, of new products, social events, etc. It is published by and for the employees.



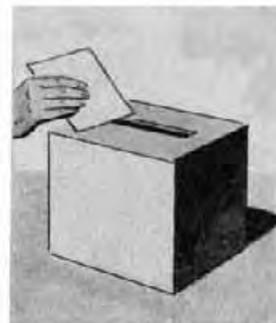
CAFETERIA

A cafeteria, conveniently located within the plant, is operated by an experienced restaurant caterer, who devotes full time to providing wholesome, quality foods at reasonable prices.



FIRST AID AND SAFETY

A fully-equipped First Aid Room, staffed by competent registered nurses is maintained. A Safety Council meets regularly to discuss and act upon safety problems.



SUGGESTION SYSTEM

Cash awards are made for winning suggestions. Employees are encouraged to submit practical ideas which will improve quality, eliminate waste, and increase production, etc.

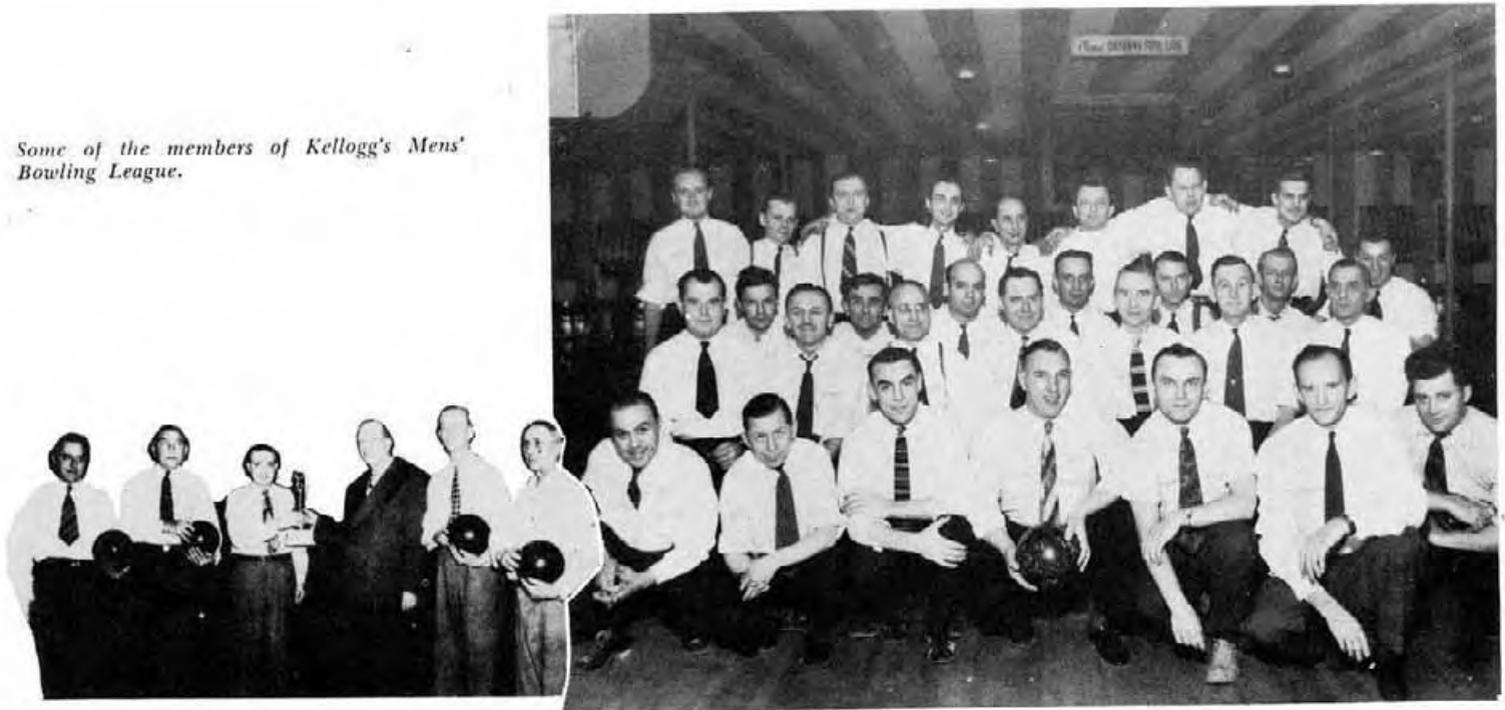


RETIREMENT PLAN

Employees may retire under the Kellogg Retirement Plan after reaching certain ages and after accumulating certain periods of service. Funds for this Plan are provided entirely by the Company.

Sports and Recreation

Some of the members of Kellogg's Mens' Bowling League.



One corner of the dance floor well occupied by happy couples at the Annual Kellogg Employees' Winter Party.



Employees in the victorious Kellogg Girls' Softball Team with their championship Trophy.



The Manager of Kellogg's Mens' team receives the coveted Herald-American Industrial League Softball championship trophy.



Races, games, and other contests enliven the day at the Annual Kellogg Summer Picnic for all employees and their families.



A group of hardy players meet on the green at Kellogg's Annual Golf Tournament, open to all employees who "follow the little white pill up the hill."

DISTRIBUTION, *Then and Now -*

TELEPHONES

SWITCHBOARDS

WE EMPHASIZE THE FACT THAT WE HAVE AWARDED THE ONLY GOLD MEDAL AT THE PAN-AMERICAN EXPOSITION FOR "SUPERIORITY OF SYSTEMS AND APPARATUS."

WE HAD SPECIAL MENTION IN THE EXHIBIT AWARDED FOR THE GOLD MEDAL BY THE COMMISSION.

KELLOGG SWITCH BOARD SUPPLY CO.



RIGHT IN YOUR OWN "FRONT YARD"

PROFITABLE EXTRA BUSINESS WITH KELLOGG PABX SWITCHBOARDS

LOOK OVER THIS PABX USED BY KELLOGG PABX FEATURES...





TELEPHONES

KELLOGG SWITCHBOARD

SWITCHBOARDS

AND SUPPLY CO., CHICAGO

Some Recent Kellogg Exchanges:

WE EMPHASIZE THE FACT THAT WE HAVE AWARDED THE ONLY GOLD MEDAL AT THE PAN-AMERICAN EXPOSITION FOR "SUPERIORITY OF SYSTEMS AND APPARATUS."



KEEP SATISFACTION... KEEP PROFITS

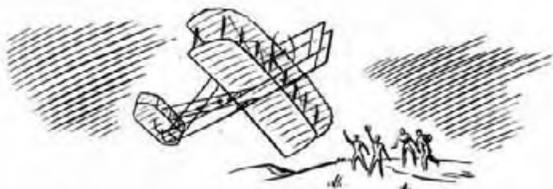
ON THE UP and UP

With KELLOGG 1000 SERIES MASTERPHONES

OPERATING RELIABILITY

EASE OF INSTALLATION AND SERVICE

MAINTENANCE MEANS NO INTERRUPTION SERVICE

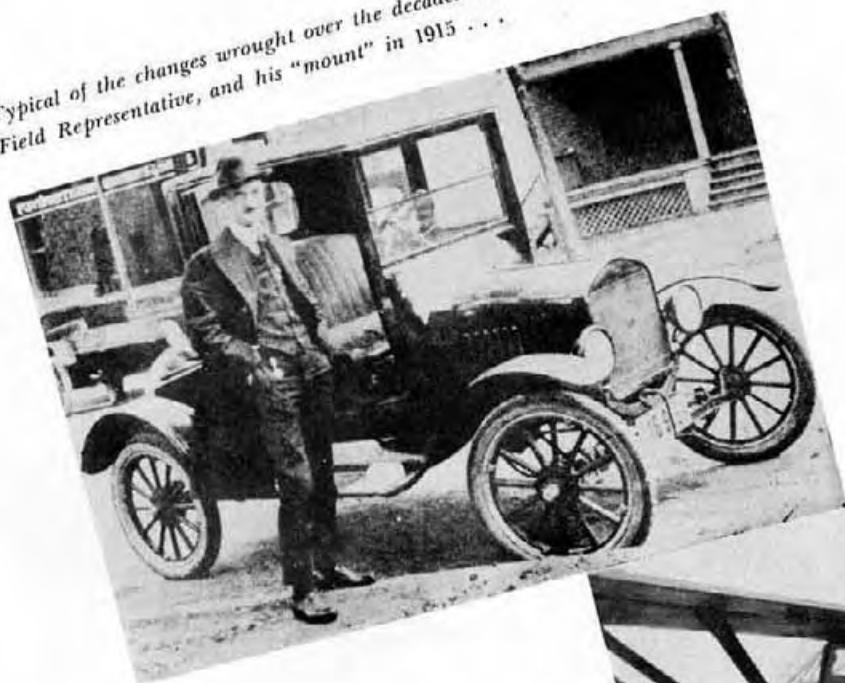



This Kellogg station wagon is equipped with mobile radio-telephone unit.



This is what they called a delivery truck back in 1915: but nowadays . . .

Typical of the changes wrought over the decades: Bill Kimmel, a Kellogg Field Representative, and his "mount" in 1915 . . .



and another Kellogg Field Representative, Jim Trevillion, standing beside his plane in 1947!

The Kellogg Laboratory and the Company's Future

The Kellogg Research and Development Laboratories have contributed in no small part to the advancement of telephony in all its phases. The Company's progress in its first half century has been largely because of the many innovations and inventions originated and developed in its Engineering Laboratories.

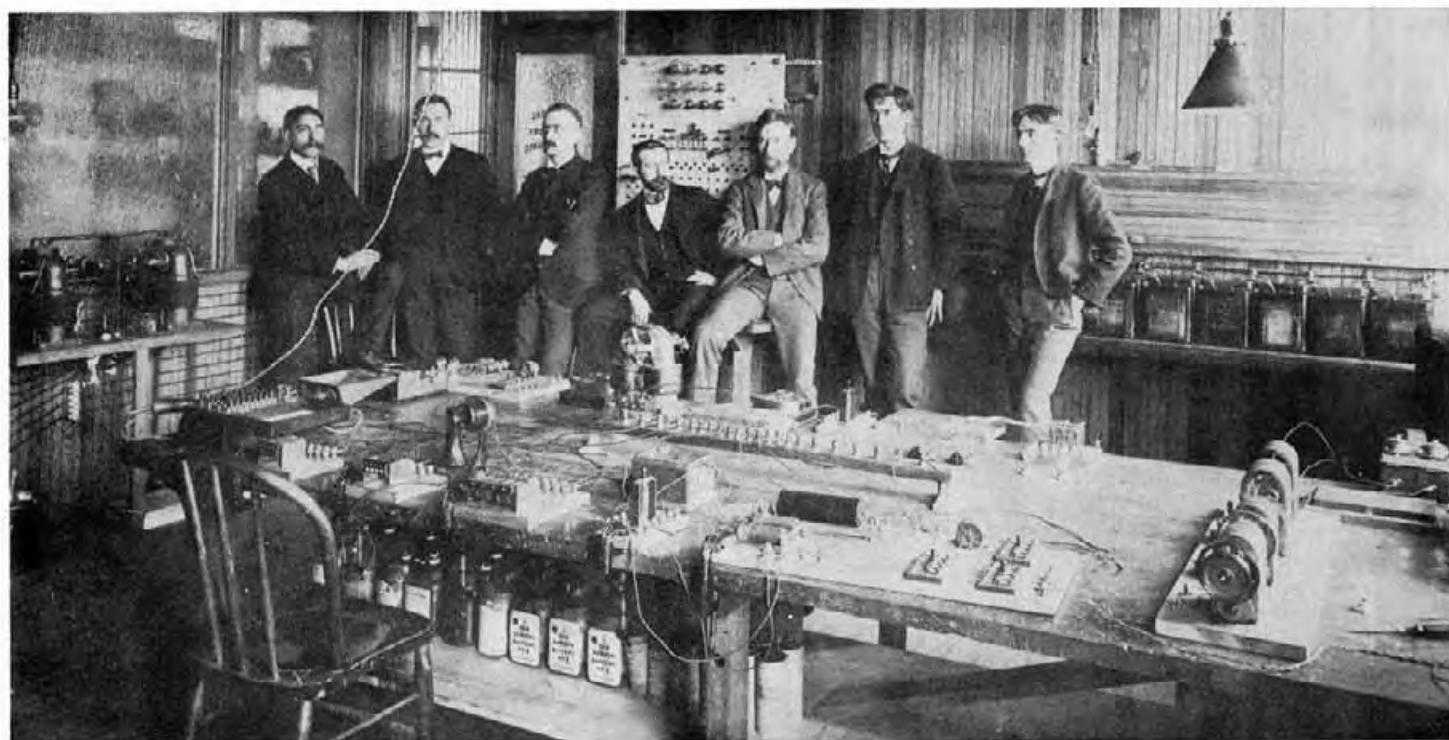
The combined experience of Kellogg's large staff of Engineers, Draftsmen, and Technologists is being applied constantly to the development of new methods, new products, and new designs.

After a new product has been developed and designed, exhaustive life tests are made before production is started to prove the product's stamina and long-wear-

ing properties in order that it will withstand severe usage and other adverse conditions.

Periodically, quality checks are also made of the performance of Kellogg products taken directly from the production lines. Such tests determine the operating serviceability of the apparatus prior to shipment to customers.

The Kellogg Laboratories and Engineering Division as well as all other Divisions of the Company may be counted upon to do their part in even greater achievements in the arts and technology of communications in the future.



The Kellogg Laboratory circa 1898. This was in the old side-burn, chin-whiskered, and moustached era when Kellogg's research received its first impetus. Each of these pioneers did his share in the development and advance of Kellogg's history in particular and of the

telephone industry as a whole. They were, left to right, J. H. Sinde, George Burlingame, W. W. Dean, Francis Dunbar, K. B. Miller, W. A. Taylor, and Ray H. Manson.

The Golden Anniversary Planning Committee



Left to right, (seated) Frances Kukeckus, Mary Evelyn Dopp, Mae Schultz, Harry C. McCluskey (general chairman), Goldye Lustbader, Anna Doehle, Georgiana Bosh, and Shirley Gough; (standing) Glenn Kiner, W. G. Cregeen, H. O. Nordberg, John Waring Jr., H. D. Hurlbut, Vincent J. Flood, Alexander Mowatt, Joseph A. Petrick, and Joseph R. Matlack. C. E. Brown, Jerry C. Veysada, and Eldon W. Miller were unable to be present when this picture was taken.

L'envoi

*We gaze astern' as we sail along'
At our path of fifty years'
We've weathered storms, with our stout crew,
They banished all our fears.*

*We look ahead, our course is clear,
The wind is fair and free,
We'll sail along with faith and hope
In years we're bound to see.*

H. Mc

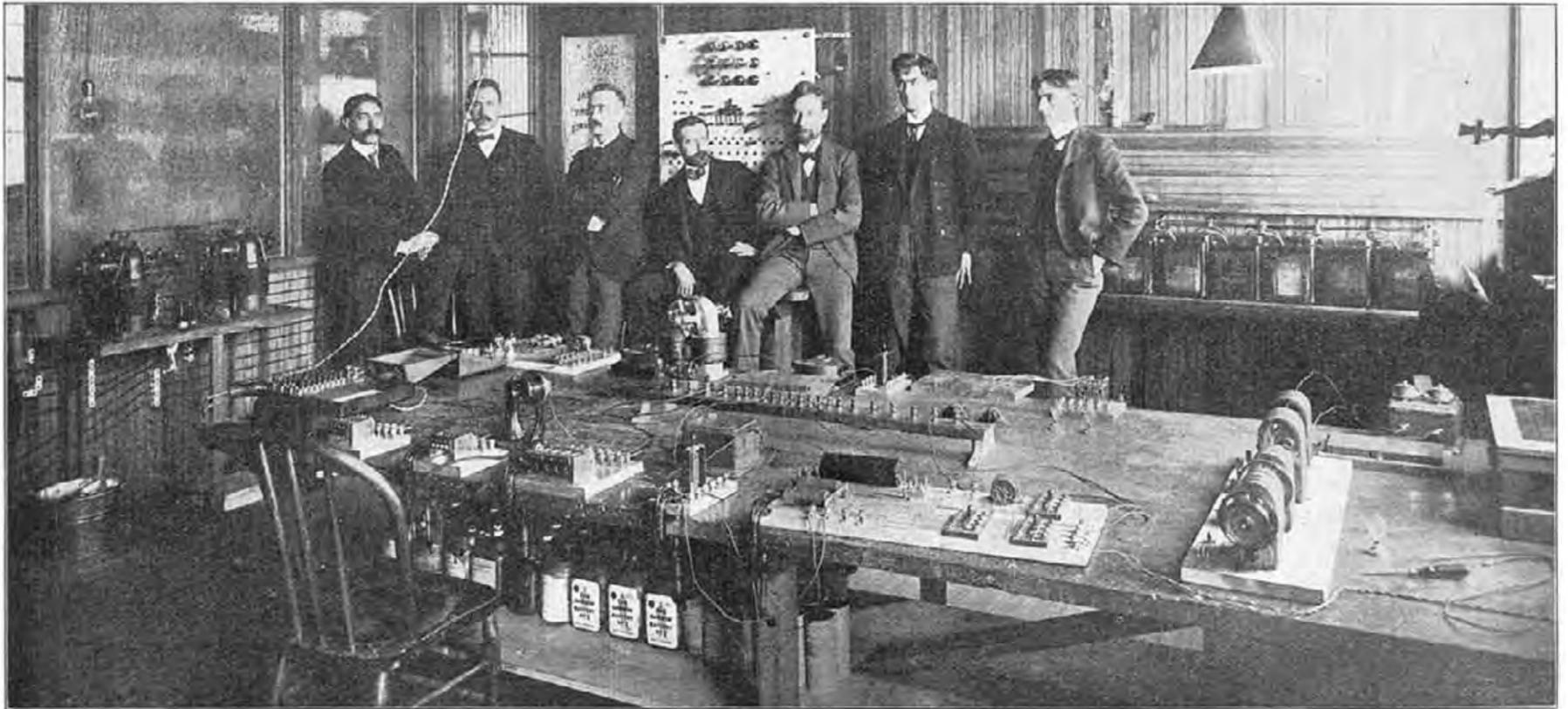
Laboratory and Experimental Work at the Kellogg Telephone Factory.

Few people are aware that the Kellogg Switchboard and Supply company of Chicago is maintaining a complete telephone laboratory and experimental department, with an equipment and experimental force fully up to the standard of excellence, though perhaps not quite as large as that maintained by the American Bell Telephone company in Boston, which latter is under the direct supervision of Dr. Hammond V. Hayes. The Kellogg laboratory and experimental department is a part of the engineering department of the Kellogg company, and has for its purpose to do for the Independent tele-

versity of Maine and formerly in the laboratory of the Western Electric company. J. C. Neely of the advertising department of the company sometimes assists in the experimental department. In this department all new circuits and apparatus are set up and tested under even more severe conditions than those of actual practice, with the idea of discovering all defects that are present or that may in the future develop. If found faulty, mechanically, or lacking in efficiency in any manner, the piece is redesigned, a new model made and the process is repeated. It is only after going through the experimental department and the laboratory, and after having been approved by the engineering department, that any piece of apparatus reaches the manufacturing stage.

models being built from the preliminary sketches. These models are carefully tested, and rejected or accepted, according to whether they are thought susceptible to further improvement or not. Frequently dozens of models of practically the same piece of apparatus are made, each embodying some little device or improvement which it is desired to put through the test of actual practice before final acceptance. All models are carefully preserved and a record kept of the behavior of each on test.

The foreman of this department is William Kaisling, who is one of the most competent experimental mechanics in this country. He first worked in this country for the Westinghouse Electric and Manufacturing company, where he made many models



Lendi. Neely. Dean. Dunbar. Miller. Taylor. Manson.

FIG. 1. LABORATORY AND EXPERIMENTAL WORK AT THE KELLOGG TELEPHONE FACTORY.—CORNER OF LABORATORY.

phone interests practically what Dr. Hayes' department of the American Bell Telephone company has done and is doing for the benefit of the Bell interests.

The engineering department of the Kellogg company comprises several men, well known in the telephone field.

Francis W. Dunbar, M. E., is a member of the American Institute of Electrical Engineers, a graduate in electrical engineering of the Massachusetts Institute of Technology, and for a long time was connected with the engineering department of the American Telephone and Telegraph company, more commonly known as the Bell Long-distance company. Mr. Dunbar was one of the two experts employed for the government in the famous Berliner patent case.

Kempster B. Miller, M. E., is an associate member of the American Institute of Electrical Engineers and a graduate in electrical engineering at Cornell University. He was employed in the United States Patent Office, in charge of the class of inventions relating to telephony, and later by the Western Telephone Construction company. Mr. Miller is the author of "American Telephone Practice"—a book which has been in great demand. He is widely known throughout the country as a telephone writer, instructor and engineer.

Franz J. Dommerque, M. E., is a graduate of the Mathematical Institute at Zurich, Switzerland, and the Technical University of Munich, Bavaria. He is a member of the American Institute of Electrical Engineers and several engineering and mathematical societies. He was formerly connected with the Western Electric company and for six years with the Chicago Telephone company, besides having been employed with other large electrical and mechanical engineering firms in Europe and the United States. Mr. Dommerque did much of the engineering work in laying out the present and future systems of the Chicago Telephone company.

William W. Dean was for a long time chief electrician of the Bell Telephone company of Missouri and did important work for that company. Later he was in the laboratory of the American Bell Telephone company at Boston and more recently in the experimental laboratory of the Western Electric company of Chicago. Mr. Dean is the inventor and patentee of a large number of important devices and systems relating to telephony, being the originator of the automatic ringing systems. His work in the common-battery field is especially well known.

The laboratory and the experimental department are under the immediate supervision of Mr. Dean, whose principal assistants in the laboratory are J. Henry Lendi, a graduate of the Rose Polytechnic Institute and formerly with the Chicago Telephone company; W. A. Taylor, a graduate of Cornell, and formerly with the Central Union Telephone company, and R. H. Manson, a graduate of the Uni-

In Fig. 1 is shown a corner of the Kellogg laboratory, with a complicated telephone circuit set up in experimental form on the table in the foreground. The gentlemen mentioned above are all seen in the picture, with the exception of Mr. Dommerque. The photograph was taken just after an important test had been made of the apparatus and circuits on the table, requiring the presence and assistance of almost the entire engineering and laboratory force. On the right of the picture is shown a battery of 20 American storage cells and at the left two charging and ringing machines used in this department. The

for Nikola Tesla, including his first alternating-current arc lamps, and also some of his early induction motors. Mr. Kaisling next helped to develop the Shallenberger meter, and was in charge of the floor at the Westinghouse factory on which these were manufactured. He next entered the employment of the Western Electric company, where he worked for eight years in the experimental department, developing inventions of Mr. Scribner and others.

Mr. Kaisling has four assistants in his department, viz., Charles Hoghlender, formerly with the Western Electric company doing experimental work; A.

Ritchie, for 12 years with Professor Elisha Gray of the Gray Telautograph company; Peter Fadelier, who has done experimental work for a number of large concerns, including Siemens & Halske, Bausch & Lomb and the Western Electric company, and Matt Klos, who has spent many years in the same line of work with Sie-



switchboard shown in the center of the picture is of marble and specially designed for the purposes of the laboratory. On it any direct-current voltage from two to 260 volts may be obtained, as well as alternating and pulsating currents of different voltages.

This laboratory is well equipped with all standard telephone apparatus, not only of the Kellogg company's make, but a great deal of that of other companies, including the Western Electric company, complete sets of testing instruments, such as Weston ammeters and voltmeters, d'Arsonval galvanometers, bridges, standard condensers and resistances; and all other apparatus that is found in complete laboratories is available.

In connection with the laboratory is the experimental department, also a branch of the engineering department. A portion of this room is shown in Fig. 2. Here all apparatus designed in the engineering department or elsewhere is perfected, working



Fig. 2. Experimental Department.

Fig. 3. Testing Room.

LABORATORY AND EXPERIMENTAL WORK AT THE KELLOGG TELEPHONE FACTORY.

mens & Halske, Westinghouse and the Western Electric company. All of these men are experts in their line of work, and one has only to see a few of their models to appreciate the high development which they have attained in the experimental art.

All manufactured articles, after passing through the various channels of the factory, are sent, before shipment, to the testing room, of which a view is shown in Fig. 3. This room is in charge of J. G. Brobeck, a graduate of Cornell University, who, acting in conjunction with the members of the engineering department, passes upon all apparatus before shipment. As the men in this department are all specially trained for this work, a complete check is placed on all apparatus both at the beginning and at the end of the manufacturing process.