

# Directory of Anesthetists

1929

## Table of Contents

	Pages
Societies and Officers .....	1-3
United States .....	4-38
Canada .....	39-43
England .....	43-53
Wales and Monmouth .....	53
Ireland .....	53
Scotland .....	54
Australia .....	55-56
New Zealand .....	57-62
Other Countries .....	62
Advertisers .....	63
Additions and Corrections .....	64

*Published by the*

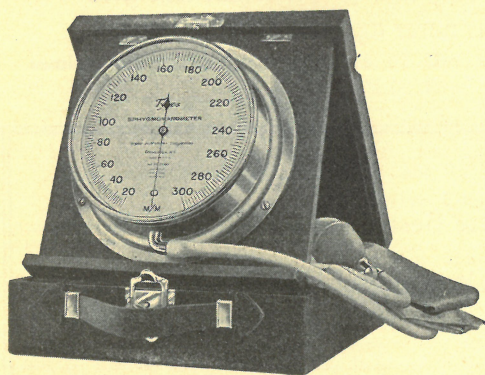
**International Anesthesia  
Research Society**



---

*Tycos*

---



**Safety-First  
Blood Pressure  
Guides for  
McKesson's  
Depression  
Test  
During  
Anesthesia**

---

**The McKesson Test for Anesthetic Depression**

WHEN OBSERVING a progressive fall in the systolic and, to a less degree in the diastolic pressure as well, usually accompanied by little or no rise in pulse rate, one may suspect anesthetic depression. Inflate the blood pressure cuff about 10 mm. Hg. above the systolic pressure and while listening with the stethoscope, suddenly increase the oxygen percentage in the anesthetic mixture to 50 or even 100 for one or two breaths returning to the old mixture immediately after. If the anesthetic be responsible for the falling blood pressures, the systolic pressure will be heard at this higher level and may be rather rapidly run to the normal, or above, for a few minutes, and may be determined by increasing the pressure in the cuff as it rises. While the pressures rise, the pulse rate usually falls if it has been increased or it may rise if it has been slower than usual. Such a reaction to oxygen is thought to be in-

dicative of anesthetic depression while no improvement in the blood pressure is looked upon as being negative and that the cause is loss of blood or traumatic shock.

This test is of considerable value to the anesthetist because it is one which may detect depression early when other than the blood pressure gives no evidence of its presence, and at a time when the mechanism for correction and compensation in the patient is still intact. It gives the anesthetist a means of differentiating between the anesthetic and other forms of depression during operations, which aids him in advising the surgeon as to the patient's ability to withstand further operation in doubtful cases. It aids the anesthetist in giving a safer anesthetic in major operations and particularly in those complicated cases in which an operation is fraught with considerable danger to the patient.—(Sept.-Oct. Issue, p 271, 1928.)

---

*Taylor Instrument Companies*

ROCHESTER, N. Y., U. S. A.

Canadian Plant, *Tycos* Building, Toronto

Manufacturing Distributors In Great Britain—Short & Mason, Ltd., London





*"The best a Physician can give  
is never too good for the Patient."*

—Dr. Oliver Wendell Holmes

The Best of Everything for Your  
Compressed Gas Requirements

Service  
with  
Every  
Sale

Send for  
your copy  
of our  
booklet "A  
Few Sug-  
gestions on  
the Proper  
Operation  
of Gas  
Cylinder  
Valves and  
Pressure  
Reducing  
Regula-  
tors."

## PURITAN MAID

Nitrous Oxide      Hydrogen  
Oxygen              Carbon Dioxide  
Ethylene            Regulators  
Gas Equipment

Special Announcement of the opening of our new Baltimore plant at Race and McComas Streets, Baltimore, Maryland; also our St. Louis branch at 4578 Laclede Ave., St. Louis, Missouri.

## Kansas City Oxygen Gas Company

PLANTS—BALTIMORE, MD.  
Race and McComas Sts.

KANSAS CITY, MO.  
2012 Grand Ave.

### SALES BRANCHES AT

1660 South Ogden Ave.  
CHICAGO, ILL.  
810 Cromwell Ave.  
ST. PAUL, MINN.

Sixth and Baymiller Sts.  
CINCINNATI, OHIO  
4578 Laclede Ave.  
ST. LOUIS, MO.

455 Canfield Ave. East  
DETROIT, MICH.

Eastern Distributors "Puritan Maid" Ethylene: S. S. White Dental Manufacturing Company, New York, Boston and Philadelphia.

Pacific Coast Distributors: Certified Laboratory Products Company, San Francisco, Los Angeles, Portland and Seattle.



# Directory of Anesthetists

## SOCIETIES AND OFFICERS

### Associated Anesthetists of the United States and Canada

Ansel M. Caine, M.D., New Orleans, La., President  
Harry J. Shields, M.B., Toronto, Canada, 1st Vice-President  
A. F. Erdmann, M.D., Brooklyn, N. Y., 2nd Vice-President  
J. Stanley Gardner, M.D., Lakewood, Ohio, 3rd Vice-President  
V. W. Chalmers-Francis, M.D., Los Angeles, Calif., 4th Vice-President  
F. H. McMechan, M.D., 770 West Lake Road, Avon Lake, Ohio, Secretary-General

#### Executive Committee

Archer C. Bush, M.D., Montclair, N. J.  
Floyd T. Romberger, M.D., Lafayette, Ind.  
C. E. Kidd, M.D., Paducah, Ky.  
Lorulli Rethwilm, M.D., San Francisco, Cal.  
Walter L. Muir, M.D., Halifax, N. S., Canada.

#### Advisory Council

Wm. B. Howell, M.D., Montreal, Canada.  
John H. Evans, M.D., Buffalo, N. Y.  
C. Wm. Hoefflich, M.D., Houston, Texas.  
Chas. N. Combs, M.D., Terre Haute, Ind.  
Wm. Hutchinson, M.D., Los Angeles, Cal.  
W. J. Defries, M.B., Toronto, Canada.  
Chas. J. Wells, M.D., Syracuse, N. Y.  
Wm. H. Long, M.D., Louisville, Ky.  
B. H. Harms, D.D.S., Omaha, Nebr.  
Ethel Righetti, M.D., San Francisco, Cal.

#### Council on Teaching and Hospital Service

Isabella C. Herb, M.D., Chicago, Ill.  
Thos. J. Collier, M. D., Atlanta, Ga.  
Chas. H. Sanford, M.D., New York, N. Y.  
Wm. Webster, M.D., Winnipeg, Canada.  
Mary E. Botsford, M.D., San Francisco, Cal.  
Ralph M. Waters, M.D., Madison, Wis.  
Cline N. Chipman, M.D., Washington, D. C.  
Theo. D. Sasto, D.D.S., Philadelphia, Pa.  
Wesley Bourne, M.D., Montreal, Canada.  
Harry R. Carson, M.D., Phoenix, Ariz.

### International Anesthesia Research Society

#### Honorary Officers and Advisory Board

Prof. Hugh McGuigan, Univ. of Illinois, Hon. President  
Prof. G. Jeanenney, Univ. of Bordeaux, Hon 1st Vice-President  
Prof. H. Whitridge Davies, Univ. of Leeds, Hon. 2nd Vice-President  
Prof. Herm. Wieland, Pharm. Institute, Heidelberg, Hon. 3rd Vice-President  
H. M. Cohen, M.D., Editor, Brit. Jour. Anesthesia, Hon. Secretary  
Hugh Kelly, M.D., Dublin, Irish Free State  
H. P. Fairlie, M.D., Glasgow, Scotland  
Gilbert Brown, M.D., Gilberton, Adelaide, Australia  
Arthur E. Suckling, D.D.S., Christchurch, New Zealand

#### Board of Governors

John H. Evans, M.D., Buffalo, Chairman  
E. Klaus, M.D., Cleveland, Vice-Chairman  
F. H. McMechan, M.D., Avon Lake, O., Editor-Executive Secretary  
Wm. H. Long, M.D., Louisville  
Don A. Warren, M.D., Hamilton, Canada  
Chas. J. Wells, M.D., Syracuse, N. Y.  
E. A. Tyler, M.D., Philadelphia  
Eleanor Seymour, M.D., Los Angeles

### Eastern Society of Anesthetists

John H. Evans, M.D., Buffalo, N. Y., President  
Brian C. Sward, M.D., New Haven, Conn., President-Elect  
Edward W. Beach, M.D., Philadelphia, Pa., Vice-President  
Chas. J. Wells, M.D., 1932 S. Salina Street, Syracuse, N. Y., Secretary-Treasurer

#### Executive Committee

Donald R. MacLean, M.D., Stamford, Conn.  
Chas. H. Sanford, M.D., New York, N. Y.  
Lincoln F. Sise, M.D., Boston, Mass.  
John C. Dessloch, M.D., Rochester, N. Y.

### Mid-Western Association of Anesthetists

Chas. N. Combs, M.D., Terre Haute, Ind., President  
E. Klaus, M.D., Cleveland, Ohio, President-Elect  
Marie B. Kast, M.D., Indianapolis, Ind., 1st Vice-President  
Edward H. Lane, M.D., East St. Louis, Ill., 2nd Vice-President  
B. H. Harms, D.D.S., 1222 First National Bank Bldg., Omaha, Nebr., Secretary-Treasurer

#### Executive Committee

L. W. Harding, M.D., Iowa City, Iowa.  
C. C. McLean, M.D., Dayton, Ohio.  
W. T. Shannon, D.D.S., Detroit, Mich.  
Frances E. Haines, M.D., Chicago, Ill.  
Ralph M. Waters, M. D., Madison, Wis.  
W. I. Jones, D.D.S., Columbus, Ohio.



## Directory of Anesthetists—1929—Societies & Officers

### Southern Association of Anesthetists

C. E. Kidd, M.D., Paducah, Ky., President  
A. C. Shamblin, M.D., Rome, Ga., President-Elect  
C. Wilmer Baker, M.D., New Orleans, 1st Vice-President  
H. Boyd Stewart, M.D., Tulsa, Okla., 2nd Vice-President  
Wm. Hamilton Long, 433 Francis Bldg., Louisville, Ky., Secretary-Treasurer

#### Executive Committee

C. Wm. Hoefflich, M.D., Houston, Texas  
Murray DeArmond, M.D., Louisville, Ky.  
Cline N. Chipman, M.D., Washington, D. C.  
J. V. Athey, M.D., Bartlesville, Okla.  
Geo. F. Seaman, D.D.S., Nashville, Tenn.  
S. Griffith Davis, M.D., Baltimore, Md.

### Pacific Coast Association of Anesthetists

Wm. H. Hutchinson, M.D., Los Angeles, President  
Caroline McQuiston-Leete, M.D., Pasadena, Vice-President  
Ethel Righetti, M.D., 305 Walnut St., San Francisco, Secretary-Treasurer

#### Executive Committee

Donald E. Baxter, M.D., Glendale  
Caroline Palmer, M.D., San Francisco  
R. F. Hastreiter, M.D., Los Angeles  
R. G. Henderson, M.D., Long Beach  
Mary E. Botsford, M.D., San Francisco  
Eleanor Seymour, M.D., Los Angeles

### Section of Anesthesiology—California Medical Association

R. G. Henderson, M.D., Marine Bank Bldg., Long Beach, Calif., Chairman  
Lorulli Rethwilm, M.D., 2217 Webster St., San Francisco, Calif., Sec'y-Treas.

### Canadian Society of Anesthetists

Wm. B. Howell, M.D., Montreal, President  
G. M. Geldert, M.D., Ottawa, Ont., President-Elect  
J. A. Blezard, M.D., Edmonton, Alta., Vice-President  
Z. Mennell, M.D., London, Executive Officer for Great Britain  
E. A. Tyler, M.D., Philadelphia, Executive Officer for the United States  
W. J. Defries, M.B., 169 Rosedale Heights Drive, Toronto, Ont., Secretary-Treasurer

#### Executive Committee

M. G. Archibald, M.D., Kamloops, B. C.  
H. R. Griffith, M.D., Montreal, Que.  
W. H. Carveth, M.B., Toronto, Ont.  
G. L. Jepson, M.B., London, Ont.

### Section of Anesthesia—Canadian Medical Association

Samuel Johnston, M.A., M.D., 108 Avenue Road, Toronto, Chairman.  
Wm. J. Defries, M.D., 169 Rosedale Heights Drive, Toronto, Secretary

### American Society of Oral Surgeons and Exodontists

E. C. Hume, D.D.S., Louisville, Ky., President  
Frank W. Rounds, D.M.D., Boston, Mass., President-Elect  
Harry Bear, D.D.S., Richmond, Va., Vice-President  
E. W. Browning, D.D.S., 921 Boston Bldg., Salt Lake City, Utah, Secretary  
A. L. Frew, D.D.S., 4005 Live Oak Street, Dallas, Texas, Treasurer

### American Society of Regional Anesthesia

Gaston Labat, M.D., 30 E. 40th St., New York, N. Y., President  
Edward Livingston, M.D., 31 Park Ave., New York, N. Y., Vice-President  
Hippolyte Wertheim, M.D., 4 E. 88th St., New York, N. Y., Secretary  
Anthony S. Bogatko, M.D., 134 E. 34th St., New York, N. Y., Treasurer

### Royal Society of Medicine—Section of Anesthetics

Ashley S. Daly, M.D., London, President  
F. E. Shipway, M.D., London, Vice-President  
Z. Mennell, M.B., London, Vice-President  
Cecil Hughes, O.B.E., M.B., London, Vice-President  
H. A. Richards, M.D., 10 Audley House, Margaret Street, London, W. 1., Hon. Secretary  
John F. Ryan, M.B., 27 Grosvenor Road, London, S. W. 1, Hon. Secretary

#### Council

H. P. Crampton, M.D., London  
A. L. Flemming, M.B., Bristol  
Eric W. Gandy, O.B.E., M.D., London.  
C. Langton Hewer, M.B., London.  
Hugh R. Phillips, M.D., London.  
H. E. G. Boyle, O.B.E., M.D., London.  
J. Bloomfield, O.B.E., M.D., London, Editorial Committee  
R. E. Apperley, M.D., London, Library Committee



## Directory of Anesthetists—1929—Societies & Officers

### Anesthetic Committee of the Medical Research Council and the Royal Society of Medicine

J. Blomfield, O.B.E., M.D., Chairman  
H. H. Dale, M.D., F.R.S. Prof. Donnan, F.R.S. C. F. Hadfield, M.D., Honorary Secretary  
Prof. Pembrey, F. R. S.

### Section of Anesthesitics—British Medical Association

Edward Moyr, L.S.A., Manchester, President  
Graham M. Benton, M.B., Manchester, Vice-President  
Hy. P. Fairlie, M.D., Glasgow, Vice-President  
Chas. F. Hadfield, M.D., London, Vice-President  
Edward F. Hill, M.B., Manchester, Vice-President

H. M. Cohen, M.D., "Ainsdale" Palatine Road, Withington, Manchester, Hon. Secretary  
J. F. Ryan, M.B., 27 Grosvenor Road, Westminster, London, SW-1, Hon. Secretary

### Scottish Society of Anesthetists

William Barras, M.D., Glasgow, President (Deceased)  
Arthur Mills, M.D., Dundee, Vice-President  
Fred L. Napier, M.D., 10 Lyndoch Crescent, Glasgow, C. 3, Hon. Secretary-Treasurer

### Executive Committee

H. Torrance Thomson, M.D. Edinburgh Thos. Robson, M.D., Aberdeen  
Alex Ogston, M.D., Aberdeen H. P. Fairlie, M.D., Glasgow

### Section of Anesthesia—Australasian Medical Congress

Gilbert Brown, M.D., Gilberton, Adelaide, President  
Hugh Hunter, M.D., 17 Oxford St., Waverly, N. S. W., Hon. Secretary

---

### Your Cooperation

is requested in keeping the Directory of Anesthetists correct and comprehensive. Kindly send notice of any errors, inadvertent omissions or necessary changes. Names and addresses of non-affiliated medical or dental anesthetists, as well as research workers in anesthesia, will be gratefully received. Bring the Directory of Anesthetists to the attention of your associates in the specialty as they may appreciate being listed in it. The International Anesthesia Research Society wishes to make the Directory of Anesthetists as international in scope as possible.

F. H. McMechan, M.D., *Secretary-General*,  
770 West Lake Road, Avon Lake, Ohio, U. S. A.

---

### TABLE OF CONTENTS

Societies and Officers .....	1-3
United States .....	4-38
Canada .....	39-43
England .....	43-53
Wales and Monmouth .....	53
Ireland .....	53
Scotland .....	54
Australia .....	55-56
New Zealand .....	57-62
Other Countries .....	62
Advertisers .....	63
Additions and Corrections .....	64



# Directory of Anesthetists—1929—United States

- Schrider, John E., 1655 Sylvania Ave., Toledo, Ohio  
 Schroeder, P. H., 1008 First Nat. Bank Bldg., Davenport, Iowa  
 Schuchard, Leo, 1023 Flood Bldg., San Francisco, Calif.  
 Scott, George W., Randolph, Vermont  
 Sears, Alfred E., 128 Newbury St., Boston, Mass.  
 Sears, A. W., 616 Professional Bldg., Jacksonville, Fla.  
 Sears, Blake A., 902 Main St., Hartford, Conn.  
 Sedwick, H. Jobe, Forbes St. and Oakland Ave., Pittsburgh, Pa.  
 Seeman, Geo. F., 442 Lambuth Bldg., Nashville, Tenn.  
 Seldin, Harry M., 4 Bay 25th St., Brooklyn, N. Y.  
 Selman, Alex. N., Spring Valley, N. Y.  
 Seybold, John W., 416 Republic Bldg., Denver, Colo.  
 Seymour, Eleanor, 845 W. Tenth St., Los Angeles, Calif.  
 Shamblin, A. C., 2½ E. Second Ave., Rome Ga.  
 Shannon, W. T., 269 Rowena Ave., Detroit, Mich.  
 Shaw, Wm. F., 775 Washington Ave., Brooklyn, N. Y.  
 Shaw, Woodward, 50 Washington St., Gloversville, N. Y.  
 Shea, Bernard F., 323 Stuyvesant Ave., Brooklyn, N. Y.  
 Sheaffer, Clinton P., 241 E. Kings Highway, Haddonfield, N. J.  
 Shearer, Geo. M., 42 Lincoln Blvd, Kenmore, N. Y.  
 Shearer, Wallace C., Medical Arts Bldg., Portland, Oregon  
 Shearer, W. L., 1226 Medical Arts Bldg., Omaha, Nebr.  
 Shed, John Z., North Conway, N. H.  
 Sheehan, Wm. A., 270 Commonwealth Ave., Boston, Mass  
 Sheinman, K., 355 E. 149th St., New York, N. Y.  
 Sheldon, Russell F., 31 Pinckney St., Boston, Mass.  
 Shelton, Wm. A., Knoxville, Tenn.  
 Shepard, J. L., 618 Boston Bldg., Salt Lake City, Utah  
 Sherman, H. deG., White Plains, N. Y.  
 Sherman, Samuel, 85 Court St., Brooklyn, N. Y.  
 Sherwin, Benjamin, 915 Kelly St., New York, N. Y.  
 Shollenberger, C. L. Jr., 4047 Baring St., Philadelphia, Pa.  
 Shores, F. W., 532 15th St., Oakland, Calif.  
 Shuey, Lamora, 912 Norwood Ave., Toledo, Ohio  
 Siebert, E. F., Eastman Bldg., Boise, Idaho  
 Siebler, Salmon K., 4 W. Seventh St., Cincinnati, Ohio  
 Siegel, Louis R., Smyth Bldg., 1001 Huron Road, Cleveland, Ohio  
 Sikes, T. E., 917 American Exchange National Bank Bldg., Greensboro, N. C.  
 Silsby, Jay, 920 N. Taylor St., St. Louis, Mo.  
 Silver, S. C., 1137 E. 138th St., Cleveland, Ohio  
 Silverman, S. L., 710 Medical Arts Bldg., Atlanta, Ga.  
 Simon, George, 129 E. 109th St., New York, N. Y.  
 Simonds, Paul E., Glenwood Block, Riverside, Calif.  
 Simons, Thos. A., 751 W. Central Ave., Toledo, Ohio  
 Singleton, D. L., First Nat. Bk. Bldg., Pittsburgh, Pa.  
 Sippel, Mary Edna, 1419 Troost Ave., Tulsa, Okla.  
 Sise, Lincoln F., The Lahey Clinic, 605 Commonwealth Ave., Boston, Mass.



# HEIDBRINK

## SAFE FOR ETHYLENE

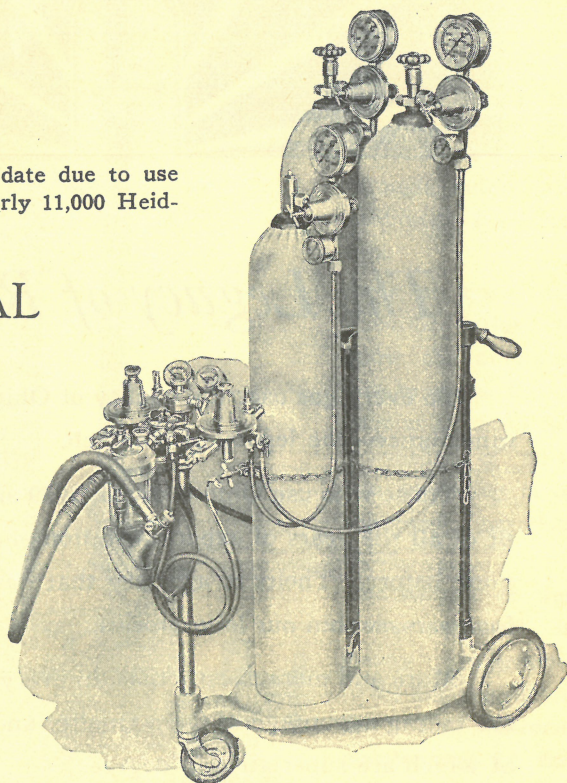
No explosions recorded to date due to use of the Heidbrink. And nearly 11,000 Heidbrinks in use!

## ECONOMICAL

Designed for heavy duty and having but few rubber parts, upkeep expense is at the absolute minimum. Forty and more hours of administration from a single "G" tank of Ethylene.

## SIMPLE

One valve turns on and shuts off the machine. Control right on top within easy reach. Readable sight-feed gauges constantly indicate what is going on.



**NO GUESSING** at the Ethylene (Nitrous Oxid or Oxygen) content in the mixture. *Separate calibrations are provided for each because Ethylene is more fluid than Nitrous Oxid.* Switch from Nitrous Oxid to Ethylene and vice versa can be made *instantly*. No mixing of the two gases to handicap the anesthetist with an unknown mixture.

**ETHER**—more than enough for human requirement, available right on the apparatus. The Vaporizer delivers from a dram to fifteen ounces per hour as required.

*Free Catalog No. 6A on Request*

*The* HEIDBRINK COMPANY  
*Minneapolis Minnesota U.S.A.*





## *The Legacy of Research*

To every gas user the quality of Ohio Gases is a personal inheritance—the legacy of research.

Those who use Ohio Gases in 1929 are deriving the benefit of all the years of experimentation and research that have gone before. Theirs is a legacy that has been accumulating for years, within our laboratories.

More and more anesthetists, in every part of the country, are taking advantage of Ohio Quality and Ohio Service, both of which are superlative in degree.

ETHYLENE      NITROUS OXIDE      OXYGEN  
CO<sub>2</sub>-ETHER      ETHYL CHLORIDE      GREEN SOAP, U. S. P.

## **The Ohio Chemical and Manufacturing Co.**

*“Pioneers and Specialists in Anesthetics”*

### **Cleveland**

New York  
Boston

Chicago  
Detroit

St. Louis  
Kansas City

Hoboken  
Dallas

Washington  
Cincinnati

Minneapolis  
Birmingham

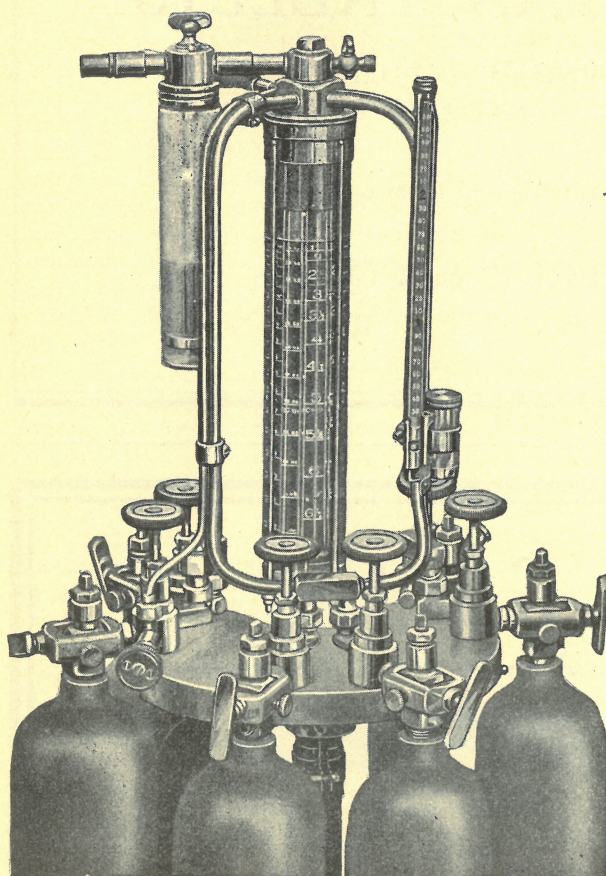
*N. B. To Those Who Wish to Specialize in Anesthetics.*

*Authoritative reprinted articles on the technique of administering gas anesthesia can be obtained without charge by addressing our main office, 1177 Marquette St., Cleveland, Ohio.*



# METRIC GAS MACHINE

*The Efficient and Economic Way  
of Administering Anesthesia*



**METRIC MODEL NO. 3**  
Equipped with B-D Blood Pressure  
Manometer

is to measure the gases as they are fed to the patient through individually calibrated flow meters.

It is of more than scientific value to know the amounts. Not to guess, but to have at all times full knowledge of what you are doing is of unlimited practical value.

The success of this metric method is mainly attributable to the fine regulation and the uniform maintenance of the individual mixture it affords.

Correct measurement enables you to administer correctly.

The Metric Gas Machine is designed and made for that purpose by

**THE FOREGGER COMPANY, INC.**

**47 WEST 42ND STREET, NEW YORK**



## Directory of Anesthetists—1929—Canada

Coupland, D. C. W., 142 Laurier St., W., Ottawa, Ont.

### D

Defries, Wm. J., 169 Rosedale Heights, Toronto, Ont.  
Drewry, F. R., King & Denisson Sts., Cobourg, Ont.  
Drummond, Helen, 467 Old Orchard Ave., Montreal, Que.  
Dupont, C. A., 218 Sherbrooke St. W., Montreal, Que.

### E

Edge, J. Alex., 73 duPont St., Quebec, Que.  
Evelyn, S. J., 19 Summerhill Ave., Toronto, Ont.

### F

Fenwick, C. P., 1086 Bloor St., W. Toronto, Ont.  
Foss, A. F., 262 Olivier Ave., Westmount, Que.  
Fowler, Lillian E., 726 Fifteenth Ave. W., Vancouver, B. C.  
Frawley, S. L., 2 Bloor St. E., Toronto, Ont.  
Frazer, A. G., 238 Queens Ave., London, Ont.  
Freeze, D. D., 825 Granville St., Vancouver, B. C.

### G

Gadbois, F. A., 96 King St., Sherbrooke, Que.  
Geldert, G. M., 282 Somerset St. W., Ottawa, Ont.  
Godin, W. M., Three Rivers, P. Q.  
Gordon, Howard, 27 Willard St., Ottawa, Ont.  
Graham, A. S. Jr., 510½ Kings St., London, Ont.  
Graham, J. V., 351 Brunswick St., Halifax, N. S.  
Grant, K. G., Winnipeg Gen. Hospital, Winnipeg, Man.  
Griffith, H. R., 2021 Peel St., Montreal, Que.

### H

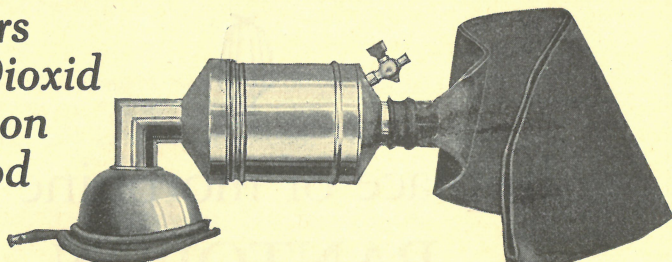
Haight, W. R. W., Warkworth, Ont.  
Hanley, E. G. S., 124 Bloor St. W., Toronto, Ont.  
Hargrave, H. R., 1079 Pape St., Toronto, Ont.  
Henderson, V. E., 111 Admiral Road, Toronto, Ont.  
Hepburn, Wm. G., 614 Victoria Ave., Westmount, Que.  
Hoare, H. G., Wetaskiwin, Alta.  
Hollis, K. E., 495 Arnette St., Toronto, Ont.  
Holme, H. R., 695 Broadview Ave., Toronto, Ont.  
Hopkins, H. E., 350 Runnymede Road, Toronto, Ont.  
Houle, J. F., 2013 Mt. Royal, Est., Montreal, Que.  
Howell, Wm. B., 756 Sherbrooke St., 37 Grosvenor Apts., Montreal, Que.

### J

Jenkins, Frederick, 434 Palmerston Bldg., Toronto, Ont.  
Jepson, Gordon L., 390 Colbourne St., London, Ont.  
Johnston, Margaret M., 108 Avenue Road, Toronto, Ont.  
Johnston, Samuel, 108 Avenue Road, Toronto, Ont.  
Jost, Harold T., 171 Waverly St., Ottawa, Ont.



## Waters Carbon Dioxid Filtration Method



Combined with a Metric Gas Machine Model No. 1, the Waters Carbon Dioxid Filtration Anesthesia Apparatus enables the anesthetist to use any sequence or combination of anesthetics with physiological control of oxygen intake and carbon dioxid elimination; provides any required depth of anesthesia and relaxation and is followed by rapid and uncomplicated recovery.

Manufacturer of the  
Gwathmey Apparatus, as  
well as Other Anesthesia  
and Oxygen Appliances.

For further information consult our latest catalogue

**The Foregger Company, Inc., 45 West 42nd St., New York**

## Postgraduate Instruction In Anesthesia and Analgesia

By E. I. McKesson, M.D. and F. W. Clement, M.B.

*Theory and Demonstration      Write for Particulars*

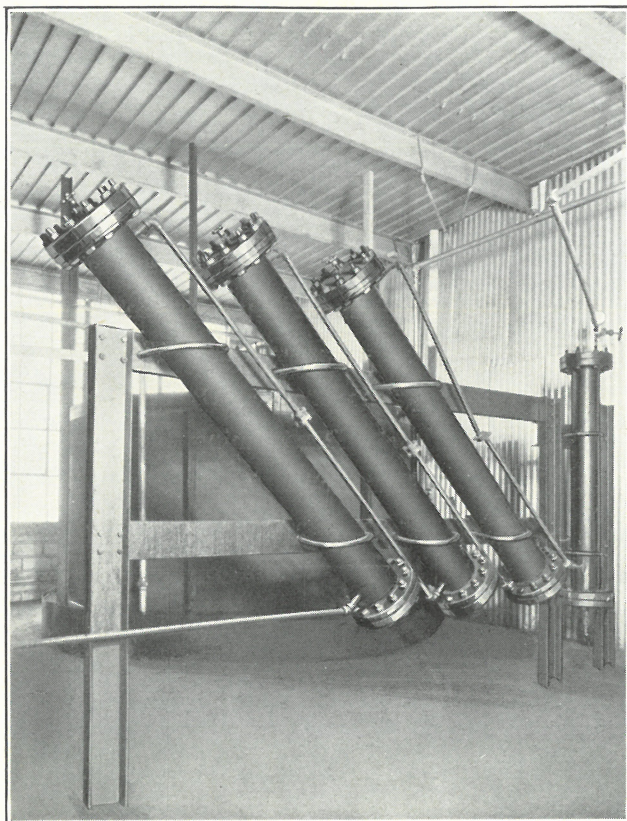
Medical and Dental Schools, Teaching and other Hospitals, are invited to consult our Service Bureau in securing the anesthetists they need.

PEEBLES GRAPHIC ANESTHETIC CHART—IN COLORS  
ALSO BOOKLET OF INTERPRETATION

Teach the Fundamentals and Give Information Very Valuable to  
Those Who are Either Teaching or Beginning  
the Study of Anesthesia.

2228 ASHLAND AVENUE, TOLEDO, OHIO





High pressure  
steel towers  
lined with

## Activated Carbon

through which  
anesthetic  
gases are  
compressed.



The power of  
activated car-  
bon was utilized  
in the gas-mask  
of the world  
war. It was in-  
troduced by the  
Cheney labora-  
tories in 1924 for  
purifying anes-  
thetics.

Note the complete absence of all carbonaceous odors and the potency of a very nearly absolute gas in CHENEY NITROUS OXID, (by liquifaction).

CHENEY ETHYLENE possesses the odor of the gas in its purest form.

NITROUS OXID

ETHYLENE

OXYGEN

CO<sub>2</sub>-OXYGEN MIXTURES

## THE CHENEY CHEMICAL COMPANY

COMPRESSED GASES OF THE HIGHEST PURITY

2929 E. 67 St., CLEVELAND, OHIO

CHICAGO, ILL.  
407 S. Oakley Blvd.  
PHILADELPHIA, PA.  
The Medicinal Oxygen Co.,  
1457 Cherry St.

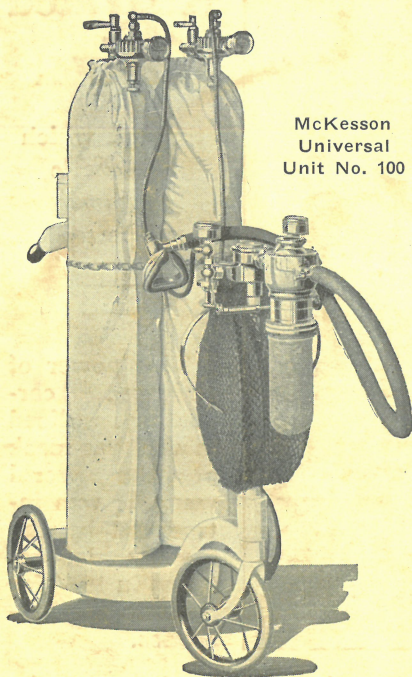
TORONTO, CANADA  
180 Duke St.  
PITTSBURGH, PA.  
The Medicinal Oxygen Co.,  
3939 Butler St.





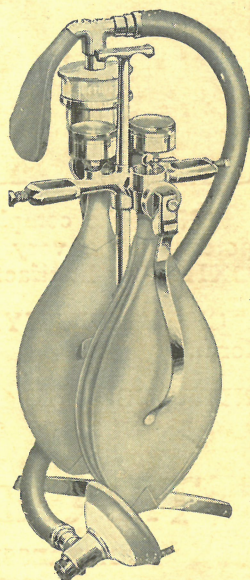
*With a McKesson*

*You Can Easily*



McKesson  
Universal  
Unit No. 100

find out if your gas-oxygen anesthesia is depressing your patient and you can further determine the optimum mixture for safe and relaxing anesthesia. Write for reprints on the "Depression Test" and "Determining the Optimum Mixture". These tests are another triumph for McKesson Apparatus accuracy.



McKesson  
Special

*There is Money in Painless Childbirth*

Nothing pleases mothers more than being relieved of all pain during childbirth and such satisfied mothers will bring you many other anesthetics. A McKesson Special will enable you to avail yourself of this additional source of income.

TOLEDO TECHNICAL

McKesson  
APPLIANCES

APPLIANCE CO.

2228 Ashland Ave.

Toledo, Ohio, U. S. A.