'Gynergen', the only product of the tartrate of the specific ergot alkaloid 'Ergotamine' in pure and stable form, is used extensively to prevent and control uterine hemorrhage.

Recent papers by Lennox (N. E. Med. J., May 17, 1934), Brock, O'Sullivan and Young (Am. J. Med. Sc., Aug., 1934) and Logan and Allen (Proc. Staff Meetings Mayo Clinic, Sept. 26, 1934) have definitely shown 'GYNERGEN' to be a most effective means of relieving certain cases of migraine headache.

Supplied in ampules, tablets and liquid.

Clinical Literature Available on Request
Sandoz Chemical Works, Inc.
61-63 Van Dam Street • New York, N. Y.

The ALOE Double Therapy LAMP
Accepted by the Council on Physical Therapy
of the American Medical Association

ULTRA-VIOLET — INFRA-RED
TWO THERAPIES IN ONE
Ultra-Violet from the Carbon Arc...Infra-Red
from the 1000-watt Chromatux element . . .
the Double Therapy Lamp gives both,
singly or together.

JUST
$17.50
Delivers it
On Terms

This dual lamp is superbly easy
to use. The arc lights instantly
by merely pulling a lever. The
lamp operates on AC or DC with-
out adjustment. A powerful 11-
amps are assured generous
ultra-violet; the Chromatux ele-
ment is of 1600-watt capacity.
Finished in handsome chromium,
aluminum and black, on specially
designed non-sliping base.

PRICE—On terms of $12.50 with
order, $7.50 per month...$17.50

A. S. ALOE co.
ST. LOUIS

FACIAL NEURALGIA

A study of the literature reveals a considerable per-
centage of cases successfully relieved of their
symptoms by the adminis-
tration of Trichloroethylene
in tic douloureux. Some
cases remain permanently
free from attack. There
is a full medical literature
upon the subject extending
from the article of Pless-
ner in 1916 to that of
Taylor in 1933.

TRICHLOROETHYLENE - CALCO
provides a measure of protec-
tion in that each tube contains
the exact dosage, relieving the
patient of confusion and reduc-
ing the anxiety that proceeds
quick relief.

The Calco Chemical Co., Inc.
Bound Brook, N. J.
A Division of American Cyanamid Company
Alaskan fishermen haul in their lines—laden with Halibut—remove the valuable livers, pack them in ice immediately, and rush them to the Haliver Oil Plant in Seattle, Washington, as soon as the fishing fleet has docked.

Protected stability ... from the minute the halibut fishermen pull their catch aboard ... is the uppermost consideration in every detail and step in the manufacture of Abbott's Haliver Oil. The livers are removed, dressed immediately and packed in ice—just as soon as the halibut are taken from the long fishing lines. These fishermen have been trained to handle halibut livers with utmost care—because they have been taught to be "Fishermen of Vitamins."

Yet, rigid bio-assays check the final results of Abbott's painstaking, scientific manufacturing. Every batch of Haliver Oil is bio-assayed ... over 2,000 white rats are in use daily in testing and standardizing ... and only Haliver Oil of guaranteed potency and protected stability is released for sale. You and your patients are protected by the guaranteed vitamin potency and protected stability of Abbott's Haliver Oil, with Viosterol. It is available everywhere and sold to your patients at reasonable cost. For physicians, free samples and up-to-the-minute literature, use the coupon. ABBOTT LABORATORIES, North Chicago, Ill.
SPECIFY MEAD'S
VIOSTEROL
IN HALIBUT LIVER OIL

not advertised or displayed to the public

(REMEMBER, THE FISH'S NAME IS HALIBUT)

LIQUID

Mead's Viosterol in Halibut Liver Oil is a rich source of vitamins A and D. It prevents and cures rickets and is valuable in the treatment of various forms of tetany and osteomalacia. It is the important factor in adjusting most forms of disturbed calcium and phosphorus metabolism, also preventing vitamin A deficiencies. Each gram supplies not less than 10,000 vitamin D units and 50,000 vitamin A units (Note: Potencies are stated in terms of new U. S. P. units, 1934, Rev.). Biologically assayed. Supplied in 5 and 50 cc. bottles. Patients appreciate the economy of the large size.

Mead's Viosterol in Halibut Liver Oil is marketed with a special dropper-and-stopper which has the following practical advantages: (a) metal liner to prevent contact of oil with rubber bulb of dropper; (b) no cork or rubber seal; (c) less chance of contamination; (d) greater economy—less waste of oil.

Packed in brown bottles and light-proof cartons to preserve vitamin potency. Contains no antioxidant.

CAPSULES

Convenient tin box protects contents in patient's pocket, all climates. Each 3-minim capsule (approximately 10 drops) furnishes not less than 8500 vitamin A units and 1700 vitamin D units (U. S. P. 1934, Rev.). 25 capsules per box.

A most economical source of vitamin A is MEAD'S HALIBUT LIVER OIL (without viosterol), supplying 30,000 vitamin A units and 850 vitamin D units per gram (U. S. P. 1934, Rev.). Available in 10 and 50 cc. bottles with special dropper-stopper. Packed in brown bottles and light-proof cartons to preserve vitamin potency. Contains no antioxidant or carotene.

For dispensing, Mead's Capsules are available in cardboard cartons containing four plain, unlabeled boxes of 25 capsules each. The druggist need simply affix his label to one of these unlabeled boxes, saving time and obviating rehandling.

MEAD JOHNSON & CO., Evansville, Ind., U. S. A.—Servamus Fidem—"We are Keeping the Faith"

Please enclose professional card when requesting samples of Mead Johnson products to cooperate in preventing their reaching unauthorized persons
Eli Lilly and Company

Founded 1876

Makers of Medicinal Products

Ampoules Solution Liver Extract
Concentrated, Lilly

They offer the convenience of infrequent intramuscular injection.
Make possible close supervision of individual patient.
Usual dose—3 cc.—represents material derived from 100 Gm. of liver; it produces a hematopoietic effect comparable to that resulting from the ingestion of 1,400 to 2,100 Gm. of fresh liver.
Each ampoule contains 3 cc. of a concentrated and refined solution of Liver Extract, Lilly. Also supplied in 10 cc. ampoules.

Prompt Attention Given to Professional Inquiries

Principal Offices and Laboratories, Indianapolis, Indiana, U. S. A.
Only stabilized halibut liver oil goes into these Squibb capsules!

When you use halibut liver oil, either the capsules for older children and adults, or the liquid for babies, it is important to remember that the Squibb oil is stabilized.

There are certain definite reasons why a stabilized oil is desirable. With refined halibut liver oil, there is a tendency for Vitamin A to deteriorate upon exposure to air.

With the object of preserving every bit of the values that Vitamin A may have for patients, Squibb stabilizes* the oil.

By this method, Squibb is able to ensure a high Vitamin A and D content. Each capsule of Squibb Stabilized Halibut Liver Oil with Viosterol contains not less than 8500 U.S.P. X (1934 Rev.) units of Vitamin A and 1700 U.S.P. X (1934 Rev.) units of sunshine Vitamin D.

Patients will find no difficulty taking these small gelatin capsules. They offer such a convenient and pleasant way of obtaining an extra supply of Vitamins A and D through the winter.

Capsules of Squibb Stabilized Halibut Liver Oil can also be obtained plain for patients who need Vitamin A primarily, and only moderate amounts of Vitamin D.

Squibb Stabilized Halibut Liver Oil for babies in drop dosage . . . For babies, many physicians are specifying Squibb Stabilized Halibut Liver Oil with Viosterol. No product now generally available exceeds its Vitamin A and D content. And the Squibb stabilization process helps to keep the oil palatable and free from odor. Remember this when you use halibut liver oil for babies, and always recommend Squibb stabilized products, either plain or with Viosterol.

* The Squibb process of stabilization involves use of an antioxidant (hydroquinone) 0.01%. U. S. Patent 1,745,604.
Insulin-Mulford

Proper dietary control and Insulin dosage can bring about a wonderful improvement in the economic status of many diabetic patients.

Increased muscular strength... lessened danger from diabetic coma... increased resistance to infections... reduced surgical risk... all these benefits and others follow the proper use of Insulin.

Insulin-Mulford is a solution of the active anti-diabetic hormone derived from selected pancreas. It is highly purified and is notably free from reaction-producing proteins.

Insulin-Mulford is carefully standardized by biological assay methods to insure uniformity in dosage. Every lot of Insulin-Mulford is warranted to conform to standards established and maintained by the Insulin Committee of the University of Toronto.

Insulin-Mulford is supplied in non-soluble glass containers: 5 cc.—10-, 20- and 40-unit strengths per cc.; 10 cc.—10-, 20-, 40- and 80-unit strengths per cc.

Manufactured under license from the University of Toronto.
It is in the therapy of rickets that the outstanding value of Viosterol has been demonstrated. Because it is highly potent, it acts rapidly. Time is a vital factor in rickets, if the child is to be saved from deformities which may otherwise be carried throughout life.

The clinical background of results with Viosterol continue to make it the product of choice with many physicians. It is as effective in the severe malacia type of rickets as it is in milder cases.

As a prophylactic Viosterol may be given just as soon as feeding begins. This is especially important in premature infants whose dosage requirements for Vitamin D are greater than those born at full term.

**SQUIBB VIOSTEROL in OIL**

10,000 VITAMIN D UNITS U. S. P. X (1934 REV.) PER GRAM

For routine treatment or prophylaxis, Squibb Viosterol in Oil may well be the product of choice. Meticulous care is given to its preparation. The irradiation of the purified ergosterol, the selection and purification of the vehicle, the care taken to prevent deterioration (the oil is charged with carbon dioxide) are factors which give assurance to the physician that Squibb Viosterol in Oil will give his patients maximum value! Remember when prescribing Viosterol to specify "Squibb."

**SQUIBB COD LIVER OIL with VIOSTEROL**

Squibb Cod Liver Oil with Viosterol is not only exceedingly rich in Vitamin D, containing 400 units U.S.P. X (1934 Rev.) per gram, but its high Vitamin A potency, 2100 units U.S.P. X (1934 Rev.) per gram, makes it an outstanding product. It is frequently the product of choice for supplying an abundance of Vitamin A as well as the antirachitic factor, Vitamin D. Plain or mint-flavored.
The Irreducible 

blood Wassermann reaction

A study of 8,000 cases of syphilis by five of the outstanding syphilis clinics of the country, in cooperation with the U. S. Public Health Service, revealed that 44% of the cases of early syphilis presenting irreversable blood Wassermann reactions for six months or more, had positive spinal fluids.

In early syphilis, the failure of the blood Wassermann to respond in the first six months of treatment is an intimation of the presence of asymptomatic neurosyphilis. In cases of so-called Wassermann fastness, it is therefore desirable to have the patient's spinal fluid examined. In the meningeal type of neurosyphilis, Tryparsamide Merck acts almost, if not entirely, as a specific drug. Clinical improvement is usually very prompt and serological cure usually occurs within the first year.

For Clinical Reports and Treatment Methods on The Treatment of Neurosyphilis with

TRYPARSAMIDE MERCK
SODIUM SALT OF N-PHENYLGlyCINEAMIDE-P-ARSONIC ACID

Send to
MERCK & CO. Inc. Manufacturing Chemists RAHWAY, N. J.
"We will specify Mead’s Capsules of Viosterol in Halibut Liver Oil 250 D when Mead puts them on the market"

— many physicians told us.

so now—by request
we offer CAPSULES

MEAD’S VIOSTEROL IN HALIBUT LIVER OIL 250 D
Each 3-minim capsule supplies not less than 5,500 U.S.P. Vitamin A units and 570 Steenbock Vitamin D units.

WHEN recommending Mead’s Capsules, the physician is now assured of the same high grade product which is marketed by Mead in liquid form, and he also knows that Mead’s Capsules are not advertised to the public. Furthermore, the physician who prefers his patients to have these capsules with a prescription label and without a trade name will be interested in the special Mead dispensing package containing 4 plain unlabelled boxes of 25 capsules each, to which the druggist’s own label can be affixed. This obviates the need for the druggist either to paste his prescription label over a trade package or to rehandle the capsules in transferring them to his own capsule container which may or may not be of suitable size, shape, and capacity.

"The fish’s name is HALIBUT"— Specify MEAD’S

MEAD JOHNSON & COMPANY, Evansville, Indiana, U.S.A.

The Neat Tin Box
contains 25 Mead Capsules and assures maximum protection in all climates and seasons to both capsules and clothing. No additional charge for this convenient fine package. Specify MEAD’S— not advertised to the public.
WESTBROOK SANATORIUM
Richmond, Virginia

JAN. K. HALL, M.D. O. R. DARDEN, M.D., Associate J. B. BOYSTER, M.D., Associate P. V. ANDERSON, M.D.

A private institution of 135 beds, located in the Ginter Park suburb, within ten minutes' ride of the heart of the city, and on the Richmond-Washington National Automobile highway. Midway between the North and the distant South, the climate of this portion of Virginia is almost ideal. Nearby are many reminders of the civil war, and many places of historic interest are within easy walking distance.

Twelve separate buildings, in the midst of a beautifully shaded fifty-acre lawn, surrounded by a hundred and twenty-acre tract of land. Remote from any neighborhood assures absolute quietness. The large number of detached buildings makes easy the satisfactory and congenial grouping of patients.

The scope of the work of the sanatorium is limited to the diagnosis and the treatment of nervous and mental disorders, alcoholic and drug habituation. Every helpful facility is provided for these purposes, and the institution affords an ideal place for rest and upbuilding under medical supervision. Four physicians reside at the sanatorium and devote their entire attention to the patients.

Systematized out-of-door employment constitutes an important feature of the treatment. Wonderful work in the arts and crafts is carried on under a trained teacher. There are bowling, tennis, croquet, billiards and pool.

The sanatorium maintains its own truck farm, dairy and poultry yard.

Illustrated Booklet on Request

The Easton Sanitarium
EASTON, PENNSYLVANIA

Licensed 33 years.

A PRIVATE INSTITUTION for the care and treatment of nervous and mental disorders, conditions of semi-invalidism, aged people and selected cases of drug addiction and alcoholism. Homelike atmosphere; personal care; outdoor recreation and occupation; well-built buildings modernized; can be reached in 2 hours from New York City, 644 miles from Philadelphia. For further information, apply to Charles S. Conner, M.D., address Medical Director, S. S. P. Weller, M.D., or at Easton 111.

The Norbury Sanitarium
Jacksonville, Illinois

For the treatment of Nervous and Mental Disorders

Dr. Frank F. Norbury, Medical Director
Dr. Albert M. Dallas, Superintendent
Dr. Samuel N. Clark, Associate Physicians

ADDRESS COMMUNICATIONS TO:
THE NURBURY SANATORIUM, Jacksonville, Illinois

MODERN—WELL EQUIPPED—QUIET
ALCOHOLISM, DRUG ADDICTION, MENTAL-NERVOUS DISEASES

Alcoholism treatment one of Gradual Reduction, eliminating for alcohol destroyed. Female patients, mental separated from nervous; female attendants only; absolute comfort and forms. Patients comforted and availed themselves instantly. Telephone Bell 1,000, Wisconsin Avenue, Jacksonville, Illinois. The Norbury Sanitarium.

POTTENGER SANATORIUM AND CLINIC
For Diseases of the Lungs and Throat
Monrovia, Calif.

F. M. POTTENGER, M.D., M.D., LL.D., Med. Director, J. E. POTTENGER, A.B., M.D., Asst. Med. Director and Director of Laboratory.

Situated on the southern slope of the Sierra Madre Mountains at an elevation of 4,000 feet. Winsome delightful, surrounded by cool and pleasant. Thoroughly equipped for the scientific treatment of tuberculosis. We maintain in connection with the sanatorium a clinic for all chronic diseases, including asthma, long ailments and bronchitis. Weekly rates from $35.00 up, including medical services. Write for particulars.

Address: POTTENGER SANATORIUM, Monrovia, Calif. Los Angeles Office: Suite 1214 Wilshire Medical Bldg., 1530 Wilshire Blvd.

WAKESHEA SPRINGS SANATORIUM
For Nervous Diseases
BYRON M. CAPLES, M.D., Superintendent
BOND BREAD

A rich source of vitamin-D*

When the prescription for infants of vitamin-D in the form of cod liver oil, viosterol, or vitamin-D milk is discontinued, isn’t it important that some other source of vitamin-D be made available? Foremost nutritionists agree that extra vitamin-D is of value to adults also.

“A study was undertaken to observe the effects of vitamin-D on tooth decay in 162 children living in institutions in and around Toronto. The children, ranging in age from 2 to 17 years, were under observation for a period of one year. They all received an excellent diet, containing large amounts of calcium and phosphorus—probably a better diet than that received by the average child. In addition, the children lived under healthful conditions, getting lots of sleep, fresh air and outdoor exercise..."

“The results show that the group receiving vitamin-D developed an average of only 0.69 new cavities per child during the year, while in the group on the same diet, without the additional vitamin-D, 1.54 new cavities per child developed. From the results it is evident that the addition of vitamin-D to the diet cut tooth decay in half.”—Conclusions from new research on dental caries, Department of Pediatrics, University of Toronto, Dr. C. H. M. Williams, Dr. P. G. Anderson, Dr. C. Summersfeldt, Dr. H. Halderson and Dr. R. G. Agnew.

For further information address Dr. J. G. Coffin, Technical Director, General Baking Company, Dept. M-1, 420 Lexington Avenue, New York City.

* Bond Bread contains vitamin-D in the proportion of 95 Steenbock units (950 ADMA) to each pound of bread.

Bond Bread
Also Bond Bakers Wheat Bread
Are both rich sources of vitamin-D

---

A.M.A. MEMBERS
SAVE $10 - $50 YEARLY
ON AUTO INSURANCE

For many years Members of the American Medical Association have automatically been qualified by that membership for the $10-$50 annual savings which Chicago Lloyds extend preferred risks on automobile insurance.

Chicago Lloyds originated the Preferred Risk Plan and hundreds of physicians have taken advantage of these substantial savings. Many have written and thanked us for the prompt, liberal settlements of their claims.

Our experience justifies our original belief that doctors are safer drivers than the average, and therefore are entitled to lower insurance rates than the average driver of a car.

Save Money by Using A. M. A. Privileges

If you are an A. M. A. Member, you automatically qualify for a Preferred Risk Policy on your car. You get (1) Substantial savings, (2) Prompt, trouble-free claim service, (3) Fully standard insurance in strong company, (4) All coverages offered, (5) No mutual or reciprocal liability.

Save When You Pay

Chicago Lloyd's insurance is valued form—settlement is made on face value of policy—no depreciation. There is no mutual or reciprocal liability. Your savings are made when you pay your premium—no waiting a year for uncertain refunds.

Free Estimate

Get a free, non-obligating Preferred Risk Policy on your car. Compare it with prices asked now by other companies. Look into the clean-cut, definite features of our protection. Note the strength and size of Chicago Lloyds. Investigate by using the coupon.

CHICAGO LLOYDS

"America's Largest Lloyds"

310 South Michigan Avenue
Chicago


Gentlemen: Entirely without obligation to me please submit detailed cost estimate on special A. M. A. insurance for my car, and my free copy of "The Careful Driver's Handbook."

Name

Address

My car is (year) ____________ (name) ____________

(Model) ____________ Type ____________ List Price ____________

Actual Cost ____________ Garage at ____________

Bought (month) ____________ New ( ) or Used ( )

My present insurance expires (date) ____________

Note: Complete data on your car as per coupon above is essential to a prompt, accurate cost estimate.
Relative Values of Carbohydrates

continued from page 14

1923

“...We also know that decompensated food and fluids rich in sugar (particularly cane sugar and milk sugar) are instrumental in bringing about a toxic state. In the development of diabetes, skinned milk (boiled 10 minutes) together with butter milk, or homogenized milk, is used as the substitute in the culture of milk and shortening sugar such as Dextrose-malate, up to 5%. In some cases where the child was previously to the acute attack, been poorly nourished, and where subsequently there had developed a state of deficient digestion and low tolerance to all sugars, Dextrose-malate beginning with a 2½% solution and increasing it to a 4% solution was found successful. W. B. Meyers, Treatment of alimentary intoxication and report of cases, J. Michigan Med. Soc., 24:514-69, June, 1923.

1923

“...Milk-sugar, which has been so extensively used, is often stated to be a good sugar; however, it is not really used as much as is dextrose-malate. The latter is the best of all sugars to use, especially if there is any tendency to looseness of the bowels.” — A. Brown, A. New Method: Child’s Food, 24, B. Good Child, Ltd., Toronto, 1923, p. 129.

1923

“In two or three days, the condition has improved so greatly that the child can be discharged from the hospital. I have found that in about 60% of the cases, Dextrose-malate has been added to the diet, as it does not ferment so easily as sugar, and is more gradually utilized.” — R. C. E. Henderson, Sick Suggestions in Difficult Feeding Cases, Texas Med. J., 19:145-150, August, 1923.

1923

“...In terms of the kitchen one can begin with two to four level teaspoonsful and gradually increase the amount up to six or seven level teaspoonsful in the total mixture. The dextrose-malate preparation can be used with or without other sugars in much larger amounts, up to or over four tablespoonsfuls.” — J. A. A. Blom, Pediatrics, 35:3, pp. 144-150, 1923.

1923


1924

...the fermentable starch which contains maltose into a monosaccharide evidently occurs in other parts of the body as well as in the intestines because when it is injected subcutaneously & absorbed, it can not be recovered. This partly accounts for the initial finding that the power of assimilation of the body for maltose is twice that of other sugars. In view of the results, we have abandoned the use of maltose. In the following paper, we have presented the case histories of patients with the different sugars in the treatment of these conditions, and are always used in the special preparations such as Eleverine milk which were devised to meet this indication. Further advantage in the use of dextrose-malate pre-

1924

...the treatment of diarrhea, if the weight gain is not satisfactory, it is an indication that the loss of sugar is occurring through the stools, results from the private practice of medicines, in this case, the diet must be increased, with a view to giving more fermentable carbohydrates. This may be done by adding dextrose-malate and preparation of protein to the food, increasing the calories until the infant is taking 150 calories per kilo of body weight.

1925

“According to Finkelstein, infants will tolerate much higher doses of maltose and dextrose than other lactose or cane sugar.”

1924

“In a communication published in 1918, the author reported striking results in eleven out of twelve cases where the milk sugar varied in consistency by 150 g. with 300 c.c. water, 60 g. fatina and 30 g. dextrose for a period of 15 hours or longer in a double boiler until sufficiently thick to adhere to an inverted spoon. ... In 1921 his series of cases treated had reached twenty-eight, with a mortality of 3.6% per cent.” — J. M. S. Clar; Hypothetical pancreatic atrophy, Arch. Pediat., 41:114-116, March, 1924.

1924

In diabetes, “The carbohydrate must be allowed to exceed 5% per cent. Dextrose-malate in the amount of 2% per cent may be used.” — B. Mers; The nutritional disturbances of infancy, Brit. J. 1107-1055, June 24, 1924.

1924

“The most desirable sugar is dextrose-malate, because all the sugars in malate are least apt to ferment.” — A. D. R. Blum, The use of milk sugar, Med. J. & Rec., 119:319, April 2, 1924.

1924

“Malate is absorbed in larger proportion than other sugars, breaks up into two molecules of dextrose, and often produces a striking gain in weight.” — G. E. F. Eyre; Fixed principles in the feeding of infants, Canad. Med. A. J. 14:900-905, June, 1924.

1924

“The treatment of artificially fed children in the form of these sugars consists in putting them on a low fat diet, and giving them carbohydrates, especially in fermentable sugars. . . ." — G. K. Carson; Feeding disorders of early infancy, Lancet, 1:857-860, April 6, 1924.

1924

In acute diabetes, “Some carbohydrate is essential to the first of these processes in the tissues and prevent loss of weight, but only such carbohydrates should be selected, as will produce the least in-

1925

“Milk sugar causes abnormal acid formation. This results in symptoms of intestinal irritation which interfere with the proper assimilation of food; then, as the symptoms of intolerance are caused by the milk sugar, the symptoms will continue even though the milk sugar has been greatly

When Dextrose-Malate was marketed in 1924, "almost without the package," Mead Johnson & Com-
pany pioneered the principle that palatability was a therapeutic problem. To that end, it took many years of unceasing effort before the weight of the major medical opinion finally led to mandatory action on the part of the Committee on Foods, who advised in 1923 that foods are now OBVIOUSLY to omit dosage directions. The Mead Policy, however, does not stop here. It embraces other principles with which all physicians agree such as (1) No deformed or defective cases in packages, or in shipping cartons (for druggists to
Announcement!

HANOVIA - NATIONAL MILK IRRADIATOR
(Steenbock Process)

- After exhaustive tests, which included a thorough investigation in the Dairy Department of the University of Wisconsin and plant operation on a commercial scale at the Brighton Place Dairy, Rochester, New York, the HANOVIA-NATIONAL MILK IRRADIATOR is now being offered to the dairy industry for the production of IRRADIATED VITAMIN-D MILK.

HOSPITAL DAIRIES CAN NOW HAVE IRRADIATED VITAMIN-D MILK
(Steenbock Process)

- The irradiation is carried on in your own dairy under accurate, scientific procedure. Operation is simple. The milk flow is definitely controlled and the ultra-violet intensity recorded on a continuous chart.

THE HANOVIA-NATIONAL MILK IRRADIATOR is manufactured in sizes especially adapted to hospital needs. It is approved by the WISCONSIN ALUMNI RESEARCH FOUNDATION.

Complete information will be gladly sent to hospital officials, physicians and public health officers. Write for booklet—"IRRADIATED VITAMIN-D MILK."

HANOVIA
CHEMICAL & MANUFACTURING COMPANY
NEWARK, NEW JERSEY
COLUMBIA UNIVERSITY
New York Post-Graduate Medical School
announces the following courses for qualified physicians
to begin during the first week of October, 1934

DERMATOLOGY AND SYPHILIOLOGY—Combined Course; six months to two years
GYNECOLOGY—Seminar; three months
NEUROLOGY—Clinical Course; afternoons, one month or longer—Course for general practitioners;
Friday afternoons and evenings, through May 17, 1935
OPHTHALMOLOGY—Seminar; eight months
OTOLARYNGOLOGY—Seminar; eight months
PATHOLOGICAL CHEMISTRY—One month
PATHOLOGY AND BACTERIOLOGY—One month or longer
PEDIATRICS—Seminar; one month—Condensed Course; nine Wednesdays
PSYCHIATRY—Clinical Course for general practitioners; Wednesday and Friday afternoons through
May 17, 1935—Course of 30 lectures on psychoanalysis
in general medicine
ROENTGENOLOGY—Basic and advanced courses;
three, six or nine months
SURGERY—Seminar; three months
UROLOGY—Seminar; eight months

Early Registration is Requested
For further information address
The Director, 305 East 20th St., New York City

COLUMBIA UNIVERSITY
New York Post-Graduate Medical School
Eight Months' Course in
OTOLARYNGOLOGY
Beginning October 1, 1934
Under the direction of Professor Duncan Macpherson
Included in the course are: anatomy and physiology of the nose, throat and ear; embryology, histology, pathology and bacteriology of the nose, throat and ear (given by laboratory staff); dissection of the head and neck; nose, throat and ear operations (endear); daily clinics in the ENT patient department; bronchoscopy, etc.; lectures on speech defects, and interpretation of x-ray plates.
During the last four months the student performs under supervision a number of the more common nose and throat operations in the ENT patient department, such as removal of tonsils and adenoids under general and local anesthesia, nasal sections, etc.

Eight Months' Course in
OPHTHALMOLOGY
Beginning October 1, 1934
Under the direction of Professor Martin Cohen
The course includes: didactic lectures and practical consideration of diseases of the eye; anatomy, physiology and pathology of the eye; bedside teaching; refraction; operative ophthalmology on the cadaver; practical use of the ophthalmoscope and slit-lamp, etc.
Basic course, first four months; advanced clinical instruction, last four months.

For further information, address
The Director, 305 East 20th St., New York City

VIENNA POST-GRADUATE STUDY
Courses in English in leading specialties available at all times. University of Vienna faculty instruction. For complete information and schedule of courses, communicate with the Secretary, AMERICAN MEDICAL ASSOCIATION OF VIENNA, ALSCHER STRASSE 9, VIENNA VIII, AUSTRIA.

Useful Drugs
EIGHTH EDITION
1930
This little volume serves two useful purposes: (1) It eliminates a mass of useless or superfluous drugs found in the Pharmacopeia. (2) It includes brief therapeutic comments aiding in a discriminating choice of drug agents. Cloth bound; flexible cover; 172 pages; price $1.00. Remit with order.
AMERICAN MEDICAL ASSOCIATION 635 North Dearborn Street Chicago, Illinois