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See New Drug As Aid in Polio Muscle Spasm

Relaxation Achieved Without Effect on Respiration or Heart

By DAVID DIETZ

A new drug under investigation at the University of Rochester Medical School may prove effective in relieving the muscle spasms which occur in attacks of poliomyelitis. Known as glyketal, the new drug is being studied by Dr. F. M. Berger with the aid of funds furnished by the National Foundation for Infantile Paralysis.

Glyketal is a colorless, viscous liquid with a very faint, fruity odor. Its full chemical name is 2-methyl-2-n-amyl-4-hydroxy-methyl-1,3-dioxolane. It is a derivative of glycerol an da first cousin to another derivative, myanezin, which now has an important place in surgery.

Dr. Berger was one of the first to popularize the use of myanezin, a muscle-relaxing drug which produces an effect like that of the Indian arrow poison, curare.

But unlike curare which acts on the juncture between nerve-endings and muscles, myanezin acts on the lower part of the brain and the spinal cord. This gives it a value not possessed by other anesthetics which act on the higher brain centers in the cerebral hemispheres. Myanezin can be used to relax the muscles without any attendant dulling effect on consciousness.

Glyketal appears to share these advantages of myanezin, acting through the spinal cord but not affecting the higher brain centers.

Many Possibilities Seen

The drug relaxes reflex excitability and reduces reflex excitability without producing untoward effects on respiration, heart rate, or consciousness.

As a result, it is felt that the drug has many therapeutic possibilities, not only for the treatment of muscle spasms in polio but for similar contractions of muscles in other diseases.

It is thought that the drug may be helpful in combating strychnine poisoning. In addition, it may prove useful as a substitute for curare to obtain muscular relaxation in surgical operations.

In experiments on mice, rabbits, cats, and dogs, it was found that small doses of glyketal produced muscle relaxation. Larger doses produced temporary paralysis.

Smaller Dosage

A comparison of glyketal with myanezin indicated that the new drug was more effective in smaller doses. The toxicity of the two drugs is about the same.

Rabbits, given a fairly large dose, were paralyzed for periods of about 20 minutes but were recovered within an hour or two with no after-effects.

It is interesting to note that the way in which curare acts was first discovered more than 100 years ago by the great French pioneer of physiology, Dr. Claude Bernard.

The work of Dr. Bernard has been confirmed in recent months not only at the University of Rochester but also at the Northwestern University Medical School in Chicago where researches on the new muscle relaxing drugs are also being conducted with funds furnished by the National Foundation for Infantile Paralysis and the National Foundation for Infantile Paralysis.

Aussie Virtue Has a Limit

SYDNEY, Australia, Sept. 20—Some Aussies—souvenir-hunters in them, have a streak of honesty in them, it seems.

That's the view, anyway, aboard the visiting French sloop Francis Garnier. Before it sailed, Aussies returned the epaulettes, insignia, pictures, sailor's hats, spare parts, and other gear they had swiped during public inspections.

Still missing, however, was Capt. Jean Philippot's electric razor.

IU Offers Workshop in General Insurance

BLOOMINGTON, Sept. 30—Current problems of life insurance selling will be studied in a workshop for the general insurance agent at Indiana University Oct. 3 to 6.

Prof. J. Edward Hedges of the university's School of Business will be in charge of the workshop. A number of insurance company executives will participate in the program.

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Service Tomorrow For Mrs. Barnhill

Widow of Physician Dies in Miami, Fla.

The body of Mrs. Celeste Terrell Barnhill, widow of Dr. John F. Barnhill, Indianapolis physician-surgeon and author, who died yesterday in her home in Miami Beach, Fla., will be re-

turned to Indianapolis for burial in Crown Hill after services tomorrow in Miami Beach. She was 84.

A native of Lynchburg, O., Mrs. Barnhill lived in Indianapolis 45 years. She and her husband, who died in 1943, moved to Florida following his retirement 20 years ago.

Wrote Three Books

An early campaigner for women's rights and suffrage, she was active in the promotion of legislation benefiting women and children in Indiana. She was an ardent Republican.

Interested in genealogy, she

wrote three books on the subject.

She was also active in Indianapolis civic and community affairs.

She was a member of the Methodist Street Methodist Church, the Indianapolis League, Colonial Dames of Indiana, Daughters of the American Revolution (Miami Branch), League of American Pen Women, and the Indianapolis Propylaeum.

Mrs. Barnhill had served as

president of the Fortnightly Literary League and the Council

of Women, first vice president of

Miami Beach Women's Club, and

was a life member and one of the

founders of the Woman's Department Club, Indianapolis.

Surviving are a brother, C. W.

Terrell, Lynchburg, O., and a

nephew, Roger N. Terrell, Miami

Beach.

GI SLAYER SENTENCED

FRANKFURT, Germany, Sept. 30 (UPI)—A military court has sentenced Pfc. Norman Collins, 18, of Royal Oak, Mich., to five years' imprisonment and a dishonorable discharge for his part in the slaying of a German civilian Sept. 6, the U. S. Army announced today.

Mr. Lancaster, who lived in

1226 N. Illinois St., was a native of Beeville, Tex. A resident of

Indianapolis for 25 years, he had

been associated with the Moynahan firm for 21 years.

A member of North Park

Lodge, F&AM, Mr. Lancaster was

also a member of Murat Temple,

Yesterday: "Churchill Devalued."

Robert E. Lancaster, auditor of Sahara Grotto and the Scottish Rite.

Masonic services at 2 p. m. tomorrow in the Kirby Mortuary will be followed by burial in Crown Hill.

There are no immediate survivors.

'CHURCHILL DEVALUED'

LONDON, Sept. 30 (UPI)—The Daily Herald, organ of the Labor Party, headlined the three-day Commons debate which ended yesterday: "Churchill Devalued."

THE INDIANAPOLIS TIMES



Your Job—Silence Is Best Rule on Salaries

Gossip About Pay Can Cause Dissent

Is there any harm in workers telling each other the salary they get? Our employer tells us not to discuss our salaries with each other. What difference does it make anyway?

By JAMES GRAYSON

If the salary scale is known to all of the workers it makes no difference. Apparently it is not the case where you work.

There are various reasons why some get more salary than others. Some employees are naturally worth more to the employer than others. Some are good apple-polishers. Some were hired at a time when salaries were higher.

Sometimes the salary scale is not a fair one to all the employees. Some employees get more than they are worth. Some get less.

If you have a personal job problem, write James Grayson in care of The Times.

We are now emerging from a period in which salary adjustments are being made. In some instances those hired last were paid the same salaries that the old timers were getting. This was not always fair. But the employer needed help and had to pay to get it.

The employer may have workers whom he knows are underpaid. He may have some who are overpaid. Getting these salaries adjusted takes time. A lot of dissension can be stirred up if every one starts to discuss his salary problems.

Jealousy among workers, as you know, can flare up easily. Your employer may have had some unpleasant experiences—just because someone, who didn't know what was taking place, talked when he should have waited.

Your salary is a personal thing and only those who are deeply and unselfishly concerned about your welfare should know about it and the raises which come from time to time.

I think you should go along with your boss and keep mum.

Lauder Unchanged

STRATHAVEN, Scotland, Sept. 30 (UPI)—Physicians attending Sir Harry Lauder, 79-year-old Scots minstrel and composer, said today he had a comfortable night but that his condition remains unchanged. Sir Harry is seriously ill with cerebral thrombosis and uremia.

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Reporter Reports on Switch to Calvert

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