

Medical Science May Solve 'Silent Sound' Reaction Inside Body

By DELOS SMITH
United Press Science Editor
New York—(U.P.)—One of the fascinating scientific mysteries which medical science may solve in 1956 is what "silent sound" does inside the body.

It produces heat, for one thing. Of that there is no doubt. It also is capable of producing chemical and biological changes. Of that there is no doubt either. The big questions are, what changes at what intensities?

"Silent sound" is sound of such high intensities, the human ear can't hear it. The ear stops hearing when sound passes about 17,000 vibrations per second, approximately. Anything higher than 20,000 is "ultra-sound."

AMA Has Reservations
During 1955, ultra-sonic medicine spread through the country. The American Medical Association accepted it, with reservations. It has its enthusiasts but

there are many doctors who are frankly afraid of it. They're afraid because it represents an awesome power whose effects on the body are poorly understood. In industry, ultra-sound when coupled with abrasive materials will drill holes through steel. That requires frequencies which approach the astronomical—they're ultra-ultra-sonic.

For medical purposes, ultra-sound is produced with a top capacity of around 1,000,000 frequencies per second. This is accepted as safe provided it is applied for short periods at one time and with careful regard for the general state of the patient.

With this limited ultra-sound, doctors have been reporting some extraordinary results in relieving the pain and crippling of such diseases as arthritis and other rheumatic conditions and such diseases as bursitis. It should be understood that there have been no "cures."

Heat Gives Results
What gives these results is heat, according to the majority of professional opinion. The deep heat relieves pain, and in some cases, relieves symptoms.

Short wave or micro-wave diathermy and deep x-rays will create deep heat, too, and will also relieve pain and symptoms in some cases. The trouble with them also is the trouble with ultra-sonics. Some patients do not respond at all and some respond so little the result hardly is worth the trouble.

Some scientists think that because the amount of heat safely limited ultra-sound can produce is small, it must have some other effect to have brought about some of its dramatic individual results. But in the words of Dr. Louis N. Rudin, of Baltimore, a leading authority, "sufficient basic information is lacking regarding the exact mode of action on tissues."

Around Hollywood

By ALINE MOSBY

Hollywood — (U.P.)—Actresses have been bobbing their noses secretly for years, and now dancer Bobby Van admitted today his recent television appearance was with a brand new nose.

Jan Sterling is among many show business ladies who admittedly helped their careers by altering the nose. Until now the men haven't been heard from.

But Bobby, one of the bright young hoofers of TV, movies and stage, confessed that viewers who saw him dance on the "Ford Star Jubilee" on Saturday night were looking at a new Van Visage.

Hindered Progress
"I felt the old nose was hindering my career," the dancer explained. "So I had the operation last April. I had to retire for three months while the swelling went down. I did nightclubs all summer."

Van's nose before the operation was large from having been broken twice when he was a boy. The proboscis photographed "with a bump, and this stopped me from doing a lot of things I wanted to."

"When I was under contract at MGM they always gave me character parts," he said. "They didn't tell me it was my nose, but I think it could have been. I decided anything you can fix, you should. So after I closed on 'On Your Toes' on Broadway I went to the doctor."

Bobby was awake during the 3 1/2-hour operation. When he took off the bandages week later, "I didn't know what to expect." A bobbed nose always looks rather small, but he figures it will take his fans time to become used to the new face. **Career Boosted**
The new nose already has boosted the career of the 27-year-old Van, who's one of only two young male dancing stars (Donald O'Connor is the other). Bob-

They'll Do It Every Time

By Jimmy Hatlo

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by has been offered three dramatic non-dancing parts in TV dramas.

Although Van is happy he improved on nature, he doesn't recommend a new nose for tired businessmen.

"If I were in any other business I wouldn't have done this," he said. "I have a lovely wife. What could I need a new nose for? The operation is okay for women, I guess. Many more women than men get their noses fixed."

Dead line Sunday Classified at noon Saturday; 10 a.m. Monday for Monday; other days 5:30 previous day

British, Egypt Honor Sudan Plans

Cairo—(U.P.)—Egypt and Britain promised today to respect the Sudanese parliament's decision to make a "fully sovereign republic" of the sprawling territory south of here which had been jointly governed by the two countries for the past 56 years.

In London, the Foreign Office said Britain's government "welcomes the declaration of the Sudanese parliament." A spokesman said Britain and Egypt are consulting on means of closing out the joint administration of the area.

In Khartoum, the Sudanese capital, huge crowds gathered to cheer the parliamentary declaration of independence.

CAROLERS ROBBED

Manila — (U.P.) — Police were on the lookout today for three thugs who stopped a group of children singing Christmas carols and robbed the carolers of \$2.

CO-EDUCATION VETOED

Crydon, England — (U.P.) — Crydon town councillors Monday turned down a plan to establish an American-style co-educational high school because it might "unsettle" the youngsters.

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\$238,080 In Taxes Paid For This Year

A total of \$238,080.30 in property for fiscal year 1955-56 was turned over last week to the county treasurer by Sheriff Howard Gault, tax collector.

Of the total, \$45,585.64 goes to the county; \$31,063.87 to cities; \$11,546.40 to irrigation districts; \$129,898.72 to schools for operating expenses; \$14,982.23 to school sinking funds; \$108.95 to sanitary districts; \$3,985.58 to fire districts; and \$908.91 to water districts.

Fees totaling \$913.12 were received from the constable, according to Treasurer Karl Janouch.

Also received were \$4,566.57 from the county engineer, and \$629.01 from the county court's sale of tax-delinquent farms.

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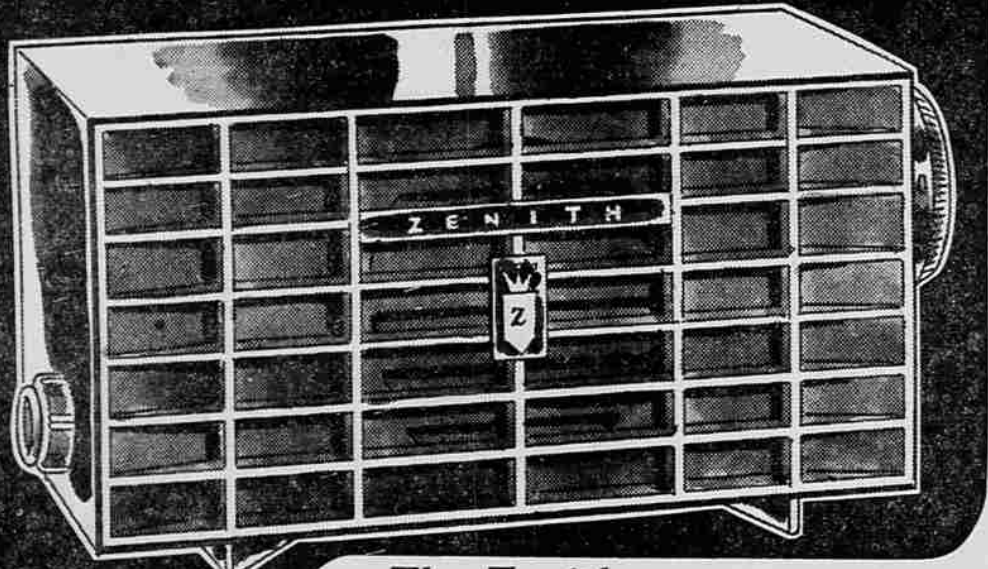


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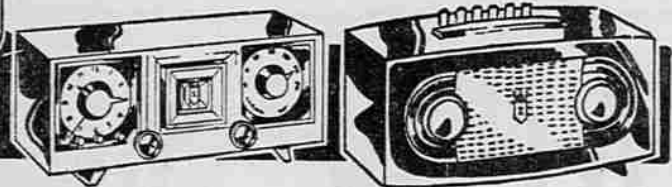
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