

pital on the outskirts of Kontum is Dr. Pat Smith, who has appeared on television in the United States recently.

"I was able to do Dr. Smith's hospital work for her during two weeks so she could get away for a much-needed vacation," Dr. Funk said. "She has been doing a laudable job since 1959."

Since Dr. Funk left Kontum a team of eight Swiss doctors has taken over the work he began last October.

When Dr. Funk first went into Kontum provincial villages he said the people had never before seen any friendly visitors. He went into mined areas where Viet Cong were present, and he often treated Viet Cong prisoners. Many of the persons he treated were primitive mountain tribesmen called Montagnards, who are of a different ethnic culture from the South Vietnamese.

### Someone Special

Because a trained doctor is so rare, he is treated as someone special, and as long as he is on purely medical missions he is probably in little danger, Dr. Funk explained. The Viet Nam name for a doctor is Bac Si, meaning an exalted professionally trained person.

The AMA plans to strengthen medical education in South Viet Nam with the support of AID are extremely important, the Illinois doctor believes. It can do little good for isolated American volunteers to go over to this country unless trained Vietnamese counterparts can take their place.

Training of nurses and technicians is also badly needed, and Vietnamese can learn quickly, he said.

"Although malaria exists 100%, it is tuberculosis that is the number one health problem," Dr. Funk explained. "We vaccinated some newborns with BCG (Bacillus Calmette-Guerin), but mainly we treated older persons with modern drugs."

He could find 15 active TB cases in a single morning, more than he ever found in the United States.

Dr. Funk set up the first out-patient clinic for the 66-bed Kontum hospital. After seeing that the clinic was painted and equipped with electricity, he rounded up a staff of volunteer Vietnamese workers, many of whom were local students who wished to improve their English. He trained them at the same time that he was treating as many as 100 patients a day.

Doctors from all countries who go to South Viet Nam today report to Maj. Gen. James T. Humphreys, a 50-year-old Air Force surgeon on leave, who is trying to bring a health service to South Viet Nam's 14 million people.

This summer of 1966, Dr. Humphreys expects his work force to increase to 1,000 with more countries participating. Already working with him are doctors from the United States, the Philippines, Switzerland, Japan, Italy, Nationalist China, Australia,

New Zealand and at least two from Cuba who were refugees in the United States. South Korea is planning to send five civilian medical teams, the Netherlands is sending one, Spain will send a military team and Great Britain will contribute a volunteer pediatric team to care for children in a Saigon hospital. West Germany is sending the hospital ship Helgoland.

The United States will contribute 15 more military teams and is sending 100 civilian volunteer nurses.

Dr. Funk told SCIENCE SERVICE that his patients had included Buddhist monks and nuns as well as the predominantly Catholic population of Kontum Province. In the town of Kontum, 70% were Buddhist, he said, but among the 74,000 provincial inhabitants, 80% were Catholic.

"I saw no friction between these groups religiously," he said. "Both were amiable and cooperative. People in general showed some apprehension, but because they have become accustomed to war there was no panic."

Military doctors were cooperative, he said. The chief of police required him to wear a sidearm at all times because of the danger of Viet Cong attacks, but except for one sniper in the wooded areas when he was accompanied by military men he had no difficulty.

Also cooperating in medical help to South Viet Nam are at least 10 U.S. voluntary agencies, foundations and missions.

All of the physicians who go out to South Viet Nam to work with civilians have found the experience rewarding. For one thing, in addition to the humanitarian contribution they make, they learn about diseases they have only studied in textbooks. Medical knowledge has been a by-product of war experience in South Viet Nam as in other countries where doctors have tried to save lives in the midst of death.

### AGRICULTURE

## Frozen Milk May Soon Be on Market

➤ MILK may come frozen and concentrated in cartons one-third the size of present milk cartons within a year or so. The housewife will only have to add water, shake and serve it, William D. Powrie of the University of Wisconsin dairy and food industries department said.

The scientist reported to a meeting of the Society for Cryobiology that the development of frozen concentrated milk had been delayed because of crystallization caused by lactose, a milk sugar, which made the milk taste chalky and look curdled. But it has now been found that crystallization can be avoided by adding lactase (an enzyme found in the animal body and certain yeasts) which decomposes lactose into dextrose and galactose.

## UNUSUAL SCIENCE BARGAINS

Solve Problems! Tell Fortunes! Play Games!  
**NEW WORKING MODEL DIGITAL COMPUTER**

**Actual Miniature Version of Giant Electronic Brains**  
Fascinating new see-through model computer actually solves problems, teaches computer fundamentals, Adds, subtracts, multiplies, shifts, complements, carries, memorizes, counts, compares, sequences. Attractively colored rigid plastic parts easily assembled. 12" x 3 3/4" x 4 3/4". Incl. step-by-step assembly diagrams, 32-page instruction book covering operation, computer language (binary system) programming, problems and 15 experiments.  
Stock No. 70,683-Q .....\$5.98 Ppd.  
Detailed Programming Booklet For Experiments  
Stock No. 9080-Q .....\$1.00 Ppd.

**WOODEN SOLID PUZZLES**  
12 Different puzzles that will stimulate your ability to think and reason. Here is a fascinating assortment of wood puzzles that will provide hours of pleasure. Twelve different puzzles, animals, and geometric forms to take apart and reassemble, give a chance for all the family, young and old, to test skill, patience and, best of all, to stimulate ability to think and reason.  
Stock No. 70,205-Q .....\$3.00 Ppd.

**SCIENCE TREASURE CHESTS**  
**Science Treasure Chest**—Extra-powerful magnetizing filters, compass, one-way-mirror film, prism, diffraction grating and lots of other items for hundreds of thrilling experiments, plus a Ten-Lens Kit for making telescopes, microscopes, etc. Full instructions included.  
Stock No. 70,342-Q .....\$5.50 Ppd.  
**Science Treasure Chest Deluxe**—Everything in Chest above plus exciting additional items for more advanced experiments.  
Stock No. 70,343-Q .....\$10.50 Ppd.

**Now . . . Non-Tarnishable ALUMINUM TUNING FORKS**  
Top quality set of 8 one-piece tuning forks, produces diatonic scale C to C' VPS ranging from 256 to 512. Perfect for physics use as frequency standards, resonance experiment, etc., tuning and testing pitch discrimination of musical instruments. Meets all specifications for educational use. Low density, high elasticity and low coefficient of expansion. High sound output and long vibrating capability. Guaranteed accurate within plus or minus 1/20 of 1% at 72° F. Scale letters and vps stamped on each fork. Includes C-256 vps, D-288 vps, E-320 vps, F-341-1/3 vps, G-384 vps, A-426-2/3 vps, B-480 vps, C-512 vps.  
Stock No. 50,336-Q (Set of 8) .....\$30.00 Ppd.  
(Other forks available individually—Write for details)

**ATTENTION, JUNIOR SPACEMEN:**  
New Parachute-Equipped  
**Rocket and Space Capsule Soar to 600 Feet**  
Blast off and watch this amazing space-age toy soar with a tremendous surge of power up to 600 ft. At top of flight rocket and capsule disengage and float gently to earth each supported by its own parachute. Fully controlled—11 time delays to choose from. You launch again and again with straight up or slanting launches. Safe to use too—no chemicals, explosives. Extra strong rubber sling provides power. You just set the controls and release rocket from its launching pad with your foot. Capsule and parachute, rocket body and parachute, launching pad, sling and instructions.  
Stock No. 70,845-Q .....\$3.50 Ppd.

**SURPLUS GIANT WEATHER BALLOONS**  
At last . . . available again in big 8-ft. diameter. Create a neighborhood sensation. Great backyard fun. Exciting beach attraction. Blow up with vacuum cleaner or auto air hose. Sturdy enough for hard play; all other uses. Filled with helium (available locally) use balloons high in the sky to attract crowds, advertise store sales, announce fair openings, etc. Amateur meteorologists use balloons to measure cloud height, wind speed, temperature, pressure, humidity at various heights. Photographers can utilize for low-cost aerial photos. Recent Gov't. surplus of heavy, black, neoprene rubber. Stock No. 60,568-Q .....\$2.00 Ppd.

**'FISH' WITH A WAR SURPLUS MAGNET**  
Go Treasure Hunting on the Bottom  
Great idea! Fascinating fun and sometimes tremendously profitable! Tie a line to our 5-lb. Magnet—drop it overboard in bay, lake, river or ocean. Troll it along the bottom—your "treasure" haul can be outboard motors, anchors, fishing tackle, all kinds of metal valuables. 5-lb. Magnet is war surplus—Alnico V Type. Govt. cost \$50. Lifts over 150 lbs. on land—much greater weights under water.  
Stock No. 70,571-Q—5-lb. Magnet .....\$12.50 Ppd.  
Stock No. 70,570-Q—3 1/2-lb. size .....\$ 8.75 Ppd.  
Order by Stock No.—Send Check or M.O. Shipment same day received—Satisfaction or money back.

TEACHERS: Write for Educational Catalog Q-2  
Edmund Scientific Co., Barrington, N.J.

**MAIL COUPON for FREE CATALOG "Q"**  
EDMUND SCIENTIFIC CO.  
Barrington, New Jersey 08007  
Completely new 1966 Edition, 148 pages.  
Nearly 4500 BARGAINS.  
Please Rush Free Catalog "Q"  
Name.....  
Address.....  
City.....State.....Zip.....