



KOREAN BOYS PAY VISIT—Two 14-year-old Korean orphans, Kwang Kon Kim, left, and Yung Shik Cho, top winners in the L'il Tigers newsboy contest sponsored by the American Korean Foundation and the Army's Stars and Stripes newspaper in the Pacific, call on Army Secretary Wilbur Brucker at the Pentagon. The boys were selected on the basis of personality, citizenship, salesmanship and their ability to speak English. (UPI Telephoto)

Virus Too Small For Microscope May Cause Cancer

New Brunswick, N.J.—(Science Service)—Evidence that cancer may be caused by a virus the microscope misses was presented by two Rutgers university scientists here recently.

The evidence is based on animal studies by Drs. Vincent Groupe and Frank J. Rauscher of the university's Institute for Microbiology. The men have been working with RSV, the Rous sarcoma virus, known to cause deadly cancer of connective tissue in chickens and turkeys.

Large Virus Doses—They have found that chicken cancers contain some substance which destroys cancer-causing viruses. If chickens are given large doses of the virus, the resulting cancers are full of virus which can be harvested from the tumors. If only small doses are injected, however, the virus cannot be detected although cancers develop, Dr. Groupe told Science Service by telephone.

This has led him to suspect that perhaps when scientists look for a cancer-causing virus in human cancers, it is present in such small amounts that it cannot be detected or is in a non-infectious form.

Recently the scientists produced cancers by injecting turkeys with RSV and extracted from tumors a sub-

stance which knocked out cancer viruses growing in eggs or maintained in laboratory animals. Only those tumors which had been growing for two weeks or more seemed to contain the mysterious anti-virus substance. Tumors grown only a short time had none, he said.

Virus in Blood—Even the blood of some of the turkeys contained the virus—destroying substance, which in many respects resembles antibodies. The researchers found that the virus-inhibitor substance was not always associated with the presence or absence of virus in the tumor—cancers frequently contained the anti-virus material regardless of whether or not virus could be recovered from them.

Sometimes the factor could be found in blood but not tumor tissues. Sometimes just the opposite was true. The factor knocked out RSV virus only; it had no effect at all on a half-dozen other non-cancer viruses.

The work at this stage has yielded no answers applicable to cancer in humans except to indicate some of the factors which may influence the success or failure of attempts to isolate viruses from human cancer tissue, Dr. Groupe stressed.

\$50,000 Grant to Help Research Off

Corvallis-Oregon State college plans for expansion of oceanography research off the Oregon Coast have received a \$50,000 assist from the National Science Foundation.

The \$50,000 will be used to purchase special equipment for the \$250,000 ocean research vehicle approved under a \$319,555 grant made to the college in July by the Office of Naval Research.

Architects are now preparing plans for the special research vessel with construction scheduled to begin some time next spring and completion expected in the fall of 1960. The boat will be a specially-designed "floating laboratory" that will permit OSC oceanographers to probe the depths of the ocean and explore the ocean floor off Oregon for the first time.

Four Persons Are Arraigned in Court

Four persons who were indicted by the grand jury Friday have been arraigned in circuit court here, it was reported.

Winifred Lee Qualls, 16, Ashland, pleaded innocent Monday to charges of rape. Trial has been set for Jan. 18. Qualls was returned from MacLaren school for boys and is charged with raping a 16-year-old girl last July.

Carroll Gene Zachary, 24, of 819 Taylor st., Medford, pleaded innocent to charges of assault with a dangerous weapon. His trial has been set for Feb. 1. He is charged with pointing a .45 caliber pistol at Special Deputy Lonnie L. Varner in Jacksonville Aug. 2.

A 17-year-old Medford boy was arraigned, and Ber Day, Medford attorney, was appointed his counsel.

Robert Carr Mix, 43, of 215 C st., Phoenix, was arraigned on charges of assault with a dangerous weapon. His attorney, Alan Holmes, requested a medical examination for Mix.

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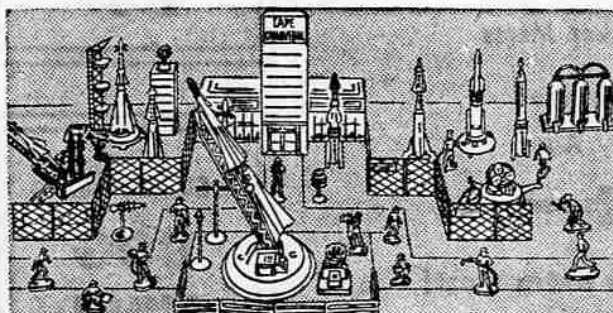
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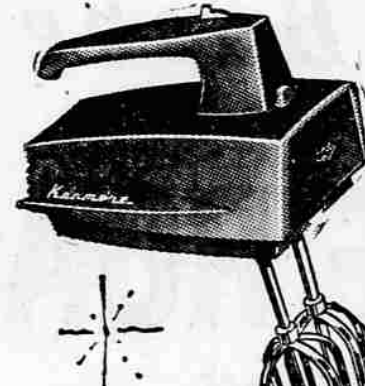
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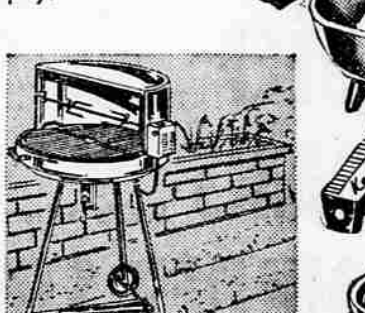
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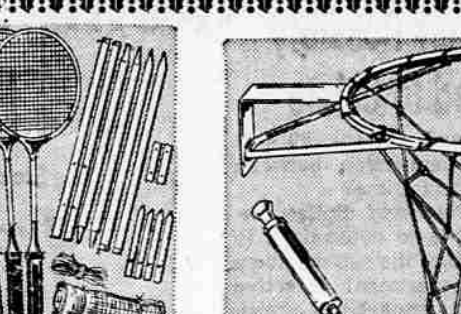
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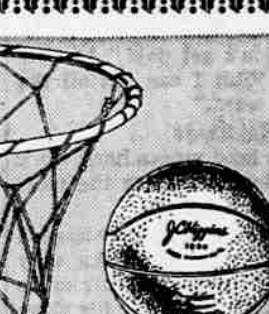
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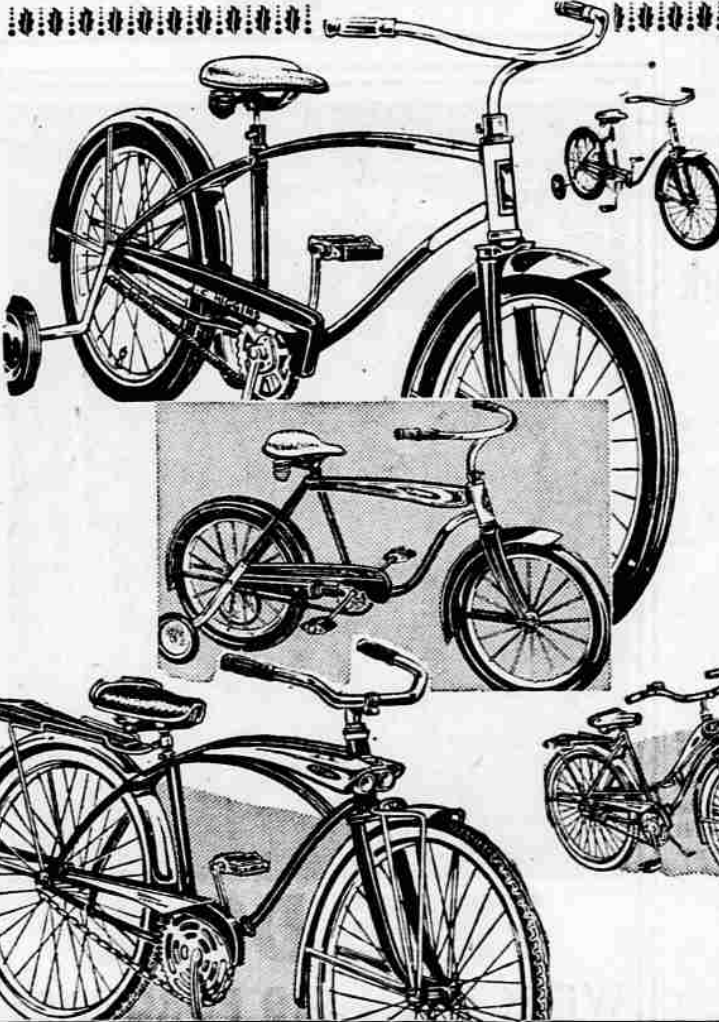
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