

RADIO PROGRAMS—SUNDAY

Table of radio programs for Sunday, listing stations like KVIC, KMED, and KWIN, along with program titles and times.

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(All programs at same time daily unless otherwise indicated)
A.M.—3:45 Sign on. Music throughout day except for following programs:
10:15-11:15 KBOY (Barney; 11:12-12:30 (Sunday only) KBOY ranch; 12:15-12:30 (Sunday only) KBOY ranch; 6:30 Sign off.

TV PROGRAMS—KBES (Channel 5)

Table of TV programs for Channel 5, listing times and program titles like 'Break the Bank', 'Hallmark Hall of Fame', etc.

Advertisement for Weisfield's Expert Watch Repairing, featuring a watch image and contact information for 122 E. Main St.

The Medical Roundup

by Walter Alvarez
Emeritus Consultant in Medicine, Mayo Clinic
Emeritus Professor of Medicine, Mayo Foundation

ANTITOXINS MAY SOME DAY BE SYNTHESIZED

Word comes from the laboratory at the University of California, Berkeley, directed by the great virologist, Dr. Wendell Stanley, that one of his men, Dr. Heinz Fraenkel-Conrat, has made a hybrid virus by crossing the protein and the nucleic acids taken from two different strains of tobacco mosaic virus.

When we remember that many viruses are so small that even with the very powerful electron microscope they show as only tiny dots, it seems the more remarkable that already scientists know much about the chemistry of these dots. They have found that the important infectious part, taken from a virulent disease-producing strain of virus, can be combined with the active nucleic acids part, taken from a harmless strain, to produce a non-virulent hybrid that will immunize and protect a person from infection without making him ill.

I think I mentioned in this column last year that Drs. Fraenkel-Conrat and Robley Williams took a virus apart into its two main components and then put them together again. Some years ago, Dr. Linus Pauling, another chemical genius who works with proteins in his laboratory in Pasadena, showed that it may be possible some day to produce anti-toxins in the test-tube by growing proteins against a sort of extremely minute "template," such as a mechanic uses when he wants to manufacture hundreds of pieces of metal with a certain shape.

Building Drugs
It is wonderful, today, how chemists all over the world are building drugs to order to help the sick. They will take a chemical that has some curative powers—but too many toxic qualities. They will tear it down and

re-build it in various ways, trying always to get much more curative power with much less toxic or harmful tendencies.

I was reading the other day that at the great Sloan-Kettering Laboratories in New York City, they built a substance which, in mice, showed remarkable powers of restraining the growth of cancer cells. But, unfortunately, in men it does not work so well. But the fact that a substance has been found that works so well in mice means that probably before long the chemists will have re-built it in many ways and will have found one form which will work well in man.

Hopeful for persons who now have reason to fear cancer is a statement by my friend Dr. Leonard Scheele, Surgeon-General of the U.S. Public Health Service, that today cancer is being cured at more than 3 times the rate of a decade ago. Because of earlier diagnosis, better x-ray treatments, and better op-

erating, persons who now go to a physician quickly when they have noted symptoms of cancer, have a 50-50 chance of getting well and staying well.

Rising Cost of Hospital Care
Recently, Dr. R. E. Brown, writing in the Journal of the American Hospital Association, expressed his regret, such as all of us physicians feel that the costs of hospital care have climbed 132 per cent in recent years. The average cost of a room has gone up from \$9.39 to \$21.76 a day. This is a climb four times as fast as that of most other costs. One great difficulty is that hospitals have had to more-than-double wages, and to cut four hours off of the work-week. Also, the need for hospital employees that will give all the many new services that are now required in modern medical practice has gone up 34 per cent per patient.

Another very expensive factor is the fluctuation in the need for hospital beds. For instance: 61 hospitals in the Chicago area reported that the percentage of beds in the maternity units that were occupied ranged from 37 to 101 of the total beds available. Even when only a third of the beds were filled, the same large staff had to be kept on hand, and they all were being paid salaries. Dr. Brown fears that unless

something happens, for many years to come, hospital costs are going to keep increasing about 5 per cent annually.

Dr. Alvarez hopes his readers will understand that it would be impossible for him to answer requests for information or to attempt to diagnose by mail. (Released by The Register and Tribune Syndicate, 1956)

Picture Tubes Rejuvenated
Is your picture tube dull and weak? Most picture tubes can be restored to original brightness at only a fraction of the cost of replacement. For further information CALL Electronic Service 18 N. GRAPE PH. 3-1971

Do Your Feet Hurt?
We specialize in manufacturing and fitting of arch supports which will give you relief and comfort. Northwest Orthopedic & Surgical Supply Co. 2747 N. PACIFIC HWY 1/2 Mile North of Big Y

Crossword Puzzle
Answer to Yesterday's Puzzle
ACROSS: 1-Occurrence, 4-Exist, 10-Trade for money, 11-Trade for money, 12-Man's name, 13-Corner, 14-Meadow, 15-Schoolmaster, 17-Simpler, 18-Expire, 19-Fragment, 21-Seasoning, 22-Diving bird, 23-Suave, 24-Baker's product, 25-Cut of meat, 26-One borne, 27-Exist, 28-Ventilate, 29-Seed container, 30-River in Italy, 34-Catalogue, 26-Marry.

DOWN: 1-Part of body, 2-Exist, 3-Trade for money, 4-Trade for money, 5-Confederate general, 6-Symbol for silver, 7-Specie, 8-Dread, 9-Wing-footed, 10-Confederate general, 11-Squid, 12-Squid, 13-Squid, 14-Squid, 15-Squid, 16-Squid, 17-Squid, 18-Squid, 19-Squid, 20-Squid, 21-Squid, 22-Squid, 23-Squid, 24-Squid, 25-Squid, 26-Squid, 27-Squid, 28-Squid, 29-Squid, 30-Squid, 31-Squid, 32-Squid, 33-Squid, 34-Squid, 35-Squid, 36-Squid, 37-Squid, 38-Squid, 39-Squid, 40-Squid, 41-Squid, 42-Squid, 43-Squid, 44-Squid, 45-Squid, 46-Squid, 47-Squid, 48-Squid, 49-Squid, 50-Squid, 51-Squid, 52-Squid, 53-Squid, 54-Squid, 55-Squid, 56-Squid, 57-Squid, 58-Squid, 59-Squid, 60-Squid, 61-Squid, 62-Squid, 63-Squid, 64-Squid, 65-Squid, 66-Squid, 67-Squid, 68-Squid, 69-Squid, 70-Squid, 71-Squid, 72-Squid, 73-Squid, 74-Squid, 75-Squid, 76-Squid, 77-Squid, 78-Squid, 79-Squid, 80-Squid, 81-Squid, 82-Squid, 83-Squid, 84-Squid, 85-Squid, 86-Squid, 87-Squid, 88-Squid, 89-Squid, 90-Squid, 91-Squid, 92-Squid, 93-Squid, 94-Squid, 95-Squid, 96-Squid, 97-Squid, 98-Squid, 99-Squid, 100-Squid.

Strange As It Seems by Elsie M.
YOU CANNOT DROWN A GRASSHOPPER BY HOLDING IT IN HER UNDER WATER... IT BREATHE THROUGH OPENINGS IN THE SIDES OF ITS BODY.

14,500-MILE ERROR! THE NORTHWEST INDIAN POLICE BARRACKS WERE BUILT IN IRELAND BY MISTAKE AND THE INDIAN BARRACKS WERE BUILT IN INDIA.

PITTSBURGH PITCHER VERNON LAW... HURLED 18 INNINGS AGAINST MILWAUKEE. HE STRUCK OUT 12 BRAWES, TOSSED 14 STRIKEOUTS, SOBBED FRAMES AND OULSTED 5 BRAWES' PITCHERS... HE LOST 8 POINTS IN THE NATIONAL GAME AND TIED HIS FATHERS RECORD FOR PITCHING 18 INNINGS IN ONE DAY.

... BUT A RELIEF PITCHER (BOB FRIEND) WHO PITCHED ONLY ONE INNING WAS CREDITED WITH THE WIN! - July 17, 1955

Little Daisy Sniders
Pillows stuffed with raisins are quite a bit extra, of course.

Investigators Study Stratojet Wreckage
Lincoln, Neb. — (U.P.) — Investigators for the Air Force, Boeing Aircraft Co., and General Electric Co., probed the ruins of a B47 Stratojet Thursday seeking the cause of the crash which killed four crewmen Wednesday night.

Killed when the aircraft exploded and burned were Capt. Marion J. Terdue, San Antonio, Tex., commander; 2nd Lt. Lynwood H. McIntosh, Dallas, Tex., co-pilot; Capt. Charles H. Stoner, Maricopa, Calif., navigator-bombardier, and S. Sgt. William F. Rochholt, Fellows, Calif., crew chief.

The Air Force blocked off the crash site from sightseers and declined to comment about the cause of the crash, Boeing and General Electric manufacture parts for the six-jet bombers.

Salem — (U.P.) — Labor Commissioner Norman O. Nilsen has announced a renewed enforcement drive on highway signs in violation of the new outdoor advertising law.

Use Tribune Want Ads!
WALT'S TV & RADIO SERVICE
Oldest Shop in So. Oregon
409 E. Main Phone 2-2269
Day and Night Service, \$3.50 (Medford and vicinity)
Night Calls and Sundays
No calls Fri. Eve. or all day Sat.

The Bell System presents THE MYSTERY OF CASPER HAUSER
Who was he? Where did he come from?
True-life dramas
Telephone Time
with the stories of JOHN HESSEY
See it Sunday 5:30 P.M. Channel 5

TODAY—CHANNEL 5 12 Noon... PST
The New Hallmark Hall of Fame
MAURICE EVANS presents
Judith Anderson
Siobhan McKenna
Barry Jones
in "The CRADLE SONG"
also starring
Anthony Franciosa
A warmly humorous play—90 minutes in full color!

Advertisement for Picture Tubes Rejuvenated and Do Your Feet Hurt? featuring Electronic Service and Northwest Orthopedic & Surgical Supply Co.

Advertisement for Moo-O-Os and Musings featuring a cow illustration and text about eye pillows.

Advertisement for Beverly's TV & Radio featuring a car illustration and service details.

Advertisement for Koko Says! featuring a cartoon character and a shoe illustration.

Advertisement for The Bell System presents The Mystery of Casper Hauser.

Advertisement for Johnston and Stewart Junior Boot Shop.

Advertisement for Weisfield's Expert Watch Repairing.

Advertisement for TV Programs on Channel 5.

Large comic strip area containing multiple panels with dialogue and illustrations.