

The Polio Vaccine: Questions, Answers

Following is the third in a series of articles dealing with questions and answers on the Salk anti-polio vaccine. The articles were prepared by the National Foundation for Infantile Paralysis and released through the Jackson county chapter.

Q. Is a dangerous virus used in preparation of the Salk vaccine?

A. All vaccines and nearly all drugs are made from material that is potentially dangerous, but these materials are refined or treated until they are not dangerous when given in recommended dosages. The Mahoney strain of polio virus, used in the polio vaccines, is—before treatment with formaldehyde—a virulent strain. When properly inactivated for use in the vaccine, however, it will not cause any illness.

Q. Is there more than one way (intramuscular) to administer the Salk vaccine?

A. Yes. The intramuscular (into the muscle) injection was used in Dr. Salk's early investigations and in the 1954 field trials, with good results. Some use has been made of the interdermal method, notably in Denmark, but studies as to its effectiveness have not yet been completed. Interdermal injection means introducing the needle between layers of the skin, a difficult and time-consuming procedure.

Q. Is the National Foundation in charge of manufacturing and testing the vaccine?

A. No. The vaccine is made by six pharmaceutical manufacturers, under standards drawn up by the National Institutes of Health and the United States Public Health Service. Such government standards also govern the manufacture of other biological products.

Q. How are the companies who manufacture vaccine chosen?

A. The National Foundation offered all makers of biologicals an opportunity to make vaccine for the 1954 field trials. Five chose to do so and vaccine from two was actually used. Later, the National Foundation made contracts with these five and one additional company to make vaccine for use in 1955 if the vaccine was licensed. These companies have made all the vaccine furnished by the NFIP, and are the only companies so far licensed to produce Salk vaccine. The product, however, is not patented and may be made by any company desiring to make it.

Q. How is vaccine made?

A. The three known types of polio virus are grown on cells of monkey tissues in flasks or bottles. The tissue culture fluids, containing the virus, are treated with formaldehyde to destroy the ability of the virus to cause

disease. This treatment is called "inactivation." The virus, however, retains its ability to stimulate the human body to produce its own polio-fighting antibodies. The final vaccine consists of inactivated virus of the three types known to cause polio.

Q. What safety tests and procedures are now in effect?

A. Large samples of material must be tested at repeated stages during the manufacturing process both before and after the three types of virus are mixed. Virus may be reheated with formaldehyde only once. A random sampling test for live virus in the actual bottles in which the vaccine is shipped also must be conducted.

Q. How are these safety tests checked?

A. Protocols on all lots of vaccine are submitted by the manufacturers to the National Institute of Health. Protocols are detailed descriptions of the manufacture and testing of each lot of vaccine, exceedingly long and complex. They are a sort of diary of the vaccine from the time manufacturing starts until it is completed. Markers must submit protocols even on lots of vaccine considered unacceptable and not submitted for use. One requirement for licensing is that a pharmaceutical concern demonstrate its ability to produce consistently satisfactory vaccine.

Q. How many children have been vaccinated so far?

A. Over 8,000,000 up to July 1, including those vaccinated last year in the field trial and almost 1,000,000 in Canada, 425,000 in Denmark. There were 440,000 who received the vaccine in 1954 and 6,500,000 who received first shots in 1955. Those who received second shots this year have not yet been tabulated.

Navy Petty Officer Adopts German Child

Bremerhaven, Germany—(U.P.) A navy petty officer who gave up a good assignment and his present and future leave time to adopt a German child was on his way home to the United States with his family today.

Chief Aviation Machinist's Mate Benjamin Brown of San Isidro, Calif., his wife Joan and their nine-month-old adopted son, Christopher, boarded the naval transport General Hodges Thursday.

The Browns, childless in 10 years of marriage, spent their time in Frankfurt going through the adoption process. Brown used up 67 days of leave time, including 37 days of time borrowed from the end of his next hitch.

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



PLEADS INNOCENT—Frank Kovacs (above), internationally famous pro tennis player, goes on trial at Santa Cruz, Cal., on a vagrancy charge involving an eight-year-old girl. He pleaded innocent.

Statements Continue In Sherry Fong Trial

Portland — (U.P.) — The third murder trial of Sherry Fong continued today with opening statements from the defense and prosecution still not completed.

Mrs. Fong is accused in the 1954 death of 16-year-old Diane Hank, a Portland high school girl whose body was found near Washougal, Wash.

Circuit Judge Alfred P. Dobson, who recently declared a mistrial, yesterday denied two motions by Defense Attorney Irvin Goodman to declare another mistrial.

Strike Threatens Ruhr Iron Industry

Dusseldorf, Germany—(U.P.)—Labor and management representatives worked today to avoid the first major strike in the vital Ruhr iron and steel producing industry in 28 years.

Negotiators failed Thursday night to settle their differences in a five-hour mediation session. But union leaders representing 165,000 workers postponed until Monday a final decision on whether to call a strike.

Jets To Cost Less Than Bus To Ride

Sacramento, Calif.—(U.P.)—Jet airplanes now in production will cost less to ride than buses and cut air freight rates by two-thirds, an aircraft executive said today.

Carl B. Squier, vice-president of Lockheed Aircraft Corp. said two types of jet planes, turbojets and propjets, were fast approaching mass production for civilian use.

"These propjet planes will carry cargo at rates about one-third of those necessary now," Squier said. "The aircraft planes will have passenger-seat mile costs lower than anything we have today, lower even than present bus fares."

He said orders for 190 jet and propjet civilian planes, at a total cost of \$880,000,000, have been placed this year. He estimated sales would pass the \$1,000,000,000 mark by the end of the year.

Squier told the local Chamber of Commerce meeting the planes under order were the Boeing 707 turbojet, the Douglas DC8 turbojet and the Lockheed Electra propjet.

He said the Boeing and Douglas planes would carry from 100 to 140 passengers at 550 to 575 miles an hour and have a range of 3000 miles. The Lockheed propjet would carry 66 to 85 passengers at 410 miles an hour for hops between 200 and 2500 miles.

Rear Admiral Richard E. Byrd, foremost of the living explorers, was first to fly over both the North and South Poles.

SCREWDRIVER
(Vodka in orange juice)

It leaves you *breathless*

Smirnoff
the greatest name in VODKA

80 proof. Made from 100% grain neutral spirits. Ste. Pierre Smirnoff Fls. Inc., Hartford, Conn.

Since 1818

CLEAR THE FLOOR!

ALL 1955 HOTPOINT APPLIANCES Offered On SALE To make space for 1956 Models to arrive in December. These are all brand new and fully guaranteed.

- Your Old Appliance Could Be the Down Payment.
- Small Monthly Payments On the Balance
- Free Delivery
- Use Our Christmas Lay-Away Plan
- Famous Hotpoint Quality Appliances At Low, Low Prices.

An Important Message To Our Customers READING TIME 65 SECONDS

Each year at about this time . . . you see special year-end Clearance Sales sponsored by various good merchants in Medford. Some offer various types of clothing at special prices. Others advertise household goods, out of doors sports gear, garden equipment and articles for the car. These Clearance Sales are necessary, because the sponsoring merchants MUST reduce their inventories at years end for any number of good reasons. For the most part, they offer you fine merchandise at Substantial Savings.

We, at City Appliance, are also merchants with many of the same problems as merchants selling other types of goods. We honestly feel that we are in an excellent position to offer our friends and neighbors, in and around Medford and Ashland, some really exceptional buys in our famous line of Hotpoint Appliances!

Every Hotpoint Appliance is backed by 50 years experience in Appliance manufacturing know how. If you are thinking about an appliance in the near future . . . you'll do well to stop in and talk your needs over with us during our own Anniversary Celebration. We're sure we have the right model at substantial savings to you, to fit your own individual need . . . We list below just a few of our good buys, but have many models of Ranges, Refrigerators, Washers, Dryers, Dishwashers and Water Heaters . . . All priced to save you money.

Prices Good Until Present Supplies Are Gone

Hotpoint Ranges	Hotpoint Refrigerators	Automatic Washers
<p>Model RB65 5 ONLY Reg. \$284.95 Sale Price \$254.95 Save \$30.00</p>	<p>Model ET115 Combination Refrigerator Freezer, 11.5 cu. ft. 4 ONLY Reg. \$499.95 Sale Price \$399.95 Save \$100.00</p>	<p>Model LH7 8 ONLY All Porcelain Reg. \$249.95 Sale Price \$219.95 Save \$30.00</p>
<p>OTHERS 2 ONLY MODEL RB64 Reg. \$279.95 Sale Price \$234.95 Save \$45.00 MODEL RC23 3 ONLY Reg. \$379.95 Sale Price \$339.95 Save \$40.00 Other Models as low as \$189.95</p>	<p>Other Models 25 ONLY MODEL EB105—10.5 cu. ft. Reg. \$284.95 Sale Price \$229.95 Save \$55.00 Other Models as low as \$209.95</p>	<p>MODEL LH8 DELUXE All Porcelain Reg. \$269.95 Sale Price \$249.95 Save \$20.00</p>
<p>WATER HEATERS WB52—50 Gallon Reg. \$129.95 Sale Price \$109.95 Save \$20.00</p>	<p>DISHWASHERS 1 ONLY MCP22 PORTABLE Large capacity load. Double washes, double rinses, dries electrically. Reg. \$379.95 Sale Price \$299.95 Save \$80.00</p>	<p>DRYERS MODEL LB2 All Porcelain Chassis. 6 ONLY Reg. \$209.95 Sale Price \$189.95 Save \$20.00 Other Super Deluxe Models at Sale Prices.</p>

YES, We'll Allow Liberal Trade-Ins For Your Old Appliances On Any of the Specials

DON'T FORGET TO REGISTER!!

Only two weeks left to register your name for the drawing to win a beautiful Deluxe HOTPOINT Dryer. (No obligation to buy.)
Happy Hotpoint says:
HOTPOINT changes your viewpoint . . . Automatically!

CITY APPLIANCE, Inc.

"Jackson County's Exclusive 'HOTPOINT' Dealer"

127 No. Central — Medford, Oregon • 137 East Main — Ashland, Oregon
PHONE 3-5306 • PHONE 9-5831

AT STARK'S
PRICED to make you BUY!

Like finding \$30.00

completely new, improved 1956
APEX DYNOCLEANER

SAVE \$30

now only \$39.95

Complete with deluxe set of attachments:
Swivel Adapter • Bug Nozzle
Floor and Wall Brush • Upholstery Nozzle
Crevice and Blower Tool • Fitted Extension Tubes
Durable Hose • Dust Bag • Washable Filter

11-18-55

55.00 Down Delivers

12 HP Motor—Nearly one full home power input rating for superior "deep down" cleaning.
Genuine Apex Disposable Dust Bag—Super-size specially lined for easy handling and replacement. Eliminates possible exposure to germ-laden dust and dirt.
Washable Dust Filter—Major component in filtering system. Fine mesh retains dust, cleans air and protects motor. Cleans in a jiffy.

CHECK THESE BIG FEATURES:
• Heavy-duty 12 H.P. Motor
• Super capacity Disposable Dust Bags
• Full-Size, All-Steel Construction
• Two-Tone Color Styling

OPEN WEDNESDAY NIGHTS UNTIL 9 P.M.

STARK'S VACUUM CLEANER SALES & SERVICE

1109 North Riverside • Dial 2-4998

a Turtle . . .

doesn't worry about his roof . . . even when it snows!

UNFORTUNATELY PEOPLE do have ROOFING worries . . . particularly in the kind of weather we've been having lately. So if your roof is leaking melted snow or rain, don't run for a bucket . . . run for JACKSON COUNTY FEDERAL and a Home Loan for those necessary repairs.

JACKSON COUNTY FEDERAL has Home Loan plans for repair and renovation, as well as for purchasing and building. And Home Loans at Jackson County Federal are tailored to fit your needs . . . and your budget.

Jackson County Federal SAVINGS & LOAN ASSOCIATION

126 E. Main Medford

Building With Jackson County Since 1909