

# American Red Cross Conducts Research

Research which will open doors to new uses for blood products and increase the effectiveness of present blood service is being carried on intensively along several lines by the American Red Cross Blood Program.

The importance of one phase of Red Cross blood research was dramatically demonstrated recently, local Red Cross officials noted.

A 13-year-old Bronx girl, suffering from a condition in which her body was destroying its own red blood cells, required an operation to save her life. Mary Ann's spleen, the organ that disposes of discarded red cells, had to be removed.

Blood transfusions would be necessary during and after surgery. But the patient had antibodies that reacted with the blood factor "e," which most persons have in their blood. Only two persons in 100 have Mary Ann's group and type, O'positive blood without the "e" factor.

Screening Bloods  
For three years, the Red Cross has been screening bloods for rare factors and antibodies. Some 50 of these are known and have been identified. More than 10,000 bloods have been examined by more than 20 tests each, to determine the precise blood types.

Complete information has been recorded on computer punch cards and automated filling methods are now used for obtaining the information.

So when Mary Ann Simeone's physician asked the Red Cross for 3 units of O'positive blood without the "e" factor, a telephone call was flashed to the Red Cross western division research laboratory in Los Angeles, where the rare blood file is maintained. Cards popped rapidly out of the machine and the three donors were located in Los Angeles and other cities.

Blood Was Collected  
The blood was collected in those places and sped on its way to New York. A report, a few days after the operation, was that Mary Ann's condition was "very good."

Similarly, a Washington hospital sent a hurry call to the Red Cross for blood with the rare type cellano-negative. A young mother had developed antibodies to this factor, not detectable at that time, and reacted to a transfusion given her after a Caesarean.

A technologist in the Red Cross research laboratory in Washington got the request at 4 o'clock one afternoon. He called the laboratory in Los Angeles and technicians got busy at the

computer. It revealed donors with the right blood in Los Angeles and other cities.

Flown To Washington  
Phone calls brought the donors to the Red Cross blood centers in those cities; their blood was taken and flown to Washington. It arrived at National Airport by 3:20 a.m. the next day, less than 12 hours after receipt of the original request, the Red Cross noted.

The woman recovered, and plans to donate blood as soon as her physician says it is safe. Her blood will be frozen for long-time preservation, to be available for transfusion to another patient.

Long-time preservation of blood by freezing, a major effort of the Red Cross blood research program, is still in its experimental stages. Its objective now is to establish a method of preservation by which the blood will be entirely safe for human use.

Encouraging Results  
One method, using glycerol-sucrose as the additive to protect the red cells during freezing and liquid nitrogen as the refrigerant, has given encouraging results in investigations thus far.

In experiments already conducted, as little as 3 per cent of the red cells have been lost during freezing and thawing processes, with 90 per cent of the red cells circulating normally 24 hours after transfusion. This approaches the rate of cell survival of 90 to 95 per cent in transfused fresh blood at 24 hours.

Blood program officials say

that evidence indicates this is an exceptionally efficient process. Current experiments are aimed at adapting the procedure to an economical method of rapid processing in large quantities.

Jackson County residents will have an opportunity to participate in the Red Cross blood program when the Bloodmobile visits Medford from 2 to 6 p.m. Monday, Dec. 9, and again from 10 a.m. to 2 p.m. Tuesday, Dec. 10. The Bloodmobile will be located at the Elks Club in Ashland Wednesday afternoon.

## 'New Beginning' Is Subject of Program

Programs entitled "The New Beginning," which will explore the problems and prospects of the recent change in administration of United States government, will be presented over KVIC on Monday, Dec. 9, and Wednesday, Dec. 11, at 8:15 p.m. and 8:59 p.m. respectively.

The two special programs will be carried through the facilities of the CBS news division. The programs will examine the abilities and techniques of President Lyndon B. Johnson, giving the world reaction to his position and the political impact of the change.

Participating will be CBS news correspondents, members of Congress, prominent citizens and professional experts, according to spokesmen.

## On the Air

By ELEANOR WIESE

Among the staggering number of problems to face President Lyndon B. Johnson in the next year will be that of sharpening his debating technique and polishing his television image because the networks are determined to present presidential candidate debates on radio and television in 1964.

There has been general recognition of the interest created by and the value of the broadcast debates of 1960, but questions have been raised about their format, or program style.

In an effort to refine the format of these televised encounters and make them even more effective in assisting the American voter to make an informed choice, the American Political Science Association is at present conducting a study under a grant from the National Broadcasting Company.

This professional organization devoted to the study of government and politics requested national and state party chairmen, Congressmen and governors to submit their proposals for ways of improving the presidential debates. The more than 400 recommendations received are now being studied by an APSA committee headed by Dr. Carl J. Friedrich, Eaton professor of science and government at Harvard.

Other members of the special committee are Peter Odgaard, professor of political science, University of California at Berkeley; Harold Lasswell, professor of law and political science, Yale University; Richard Neustadt, professor of government, Columbia University; Elmo Roper and Associates; Gerhart Wiebe, dean of the School of Public Relations and Communication, Boston University; and Charles A. H. Thompson, Rand Corporation.

The question of equal time provisions for all candidates has still to be resolved by Congress. Two objections are typically made to outright repeal of the equal time requirement — that broadcasters may unfairly favor one principal candidate over another and that rising minority parties may be frozen out of broadcast access to the public.

Regardless of what action is taken by Congress concerning the equal time requirement, it is fairly certain restrictions will be suspended for presidential and vice-presidential candidates as they were in 1960. And debates seem to be the method preferred by television networks to present these candidates to the public.

Just what method might be preferred by the candidates themselves probably will never be known.

ALL AMERICA WANTS TO KNOW, 3 p.m. Sunday KBOY-AM and FM radio. "Our Racial Revolution," a documentary based on the article "Negroes Are Moving Up the Job Ladder" in December's Reader's Digest is a study of how better jobs are opening in American industry and business for trained and qualified Negroes.

WILD KINGDOM, 5 p.m. Sunday KMED-TV. Commonly held notions about animals are tested to see if they are fact or fancy.

TWENTIETH CENTURY, 6 p.m. Sunday KBES-TV. "Verdun: End of the Nightmare" tells the story of the long and costly World War I battle. Original music was composed by Morton Gould.

ED SULLIVAN, 8 p.m. Sunday KBES-TV. The 1963 All-American Football Team, selected by the American Football Coaches Association, will appear. Vern Burke of Oregon State is All-American and also appearing are Ginger Rogers and Sophie Tucker.

BEST ON RECORD, 10 p.m. Sunday KMED-TV. Past winners of the recording industry's Grammy Awards for outstanding performances will appear — Frank Sinatra; Peter, Paul and Mary; Sammy Davis Jr.; Bing Crosby; Mahalia Jackson; Tony Bennett and many others.

THE SOVIET WOMAN, 10 p.m. Tuesday KMED-TV. Madame Khrushchev is interviewed as part of a study of the results of 45 years of Russian women's equality with men. Their changing attitudes and how they live, dress, work, relax and regard themselves are pictured.

MR. MAGOO'S CHRISTMAS CAROL, 7:30 p.m. Friday KMED-TV. We first saw this cartoon version of Dickens' "Christmas Carol" last year. Mr. Magoo, of course, portrays Scrooge.

BOB HOPE COMEDY SPECIAL, 8:30 p.m. Friday KMED-TV. Old pros and pals, Bob Hope and Bing Crosby, insult each other and Peter, Paul and Mary sing their hit recording "If I Had a Hammer."

TWILIGHT ZONE, 9:30 p.m. Friday KBES-TV. Patrick O'Neal plays an aging man who, made miserable by his selfish young wife, takes a shot of youth serum.

## A Tribute to . . . Shriners Throughout Oregon!

Although primarily a fun and fellowship organization, the Ancient Arabic Order, Nobles of the Mystic Shrine is also dedicated to widespread humanitarian work. Shriners Hospitals for Crippled Children is one of America's finest programs, and Hillah Temple's participation in this undertaking is an important one. One of the fine children's hospitals is located in Portland, a source of real pride to Shriners throughout Oregon. We salute Oregon's two great Shrine temples — Al Kadar of Portland and southern Oregon's Hillahl

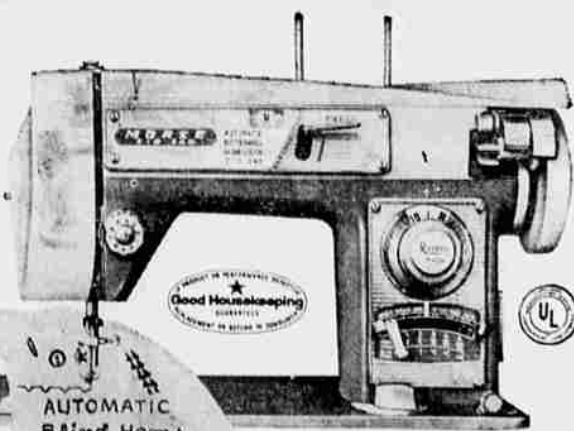
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