

of them are losing their meals as they come out of the mess. But they're back at work the next morning." (And they don't often file malpractice suits.) Because so much of the military population falls into the 18-to-24 age group that responded only to the "whole virus" vaccines, the military will use only those in its program. One of the chosen vaccines caused temperatures of 100°F or more in 20 percent of the recipients and systemic reactions (headache, nausea, fever, and the like) in 31 percent.

The reactions among adult civilians, who will receive much smaller doses than the military, will almost certainly be far less severe. Although some critics had predicted that 15 to 25 percent of those vaccinated might suffer adverse side effects (30 to 50 million people if 200 million are vaccinated), the clinical trials indicate that side effects in adults receiving the 200-CCA dose would be minimal. Only about 2 percent of the adults developed a low-grade fever or other mild systemic reactions—a rate that was essentially the same as in the control groups. None of the fevers reached 102°.

Critics Still Worried

Critics remain concerned, however, about possible adverse reactions in children. They fear that public health officials, in their eagerness to include all population groups in the program, may be inclined to accept a relatively high reaction rate in children. A few critics also fear the vaccine may pose long-term hazards that did not show up in the clinical trials, or that a catastrophic error in manufacturing the vaccine could cause unexpected harm. But public health officials consider such concerns groundless.

Many of the disputes over the immunization campaign cannot be resolved until this fall or winter, if at all. The rate and severity of adverse reactions in a large population will only be known after the mass vaccination takes place. And the efficacy of the vaccine can only be determined if the recipients actually encounter swine flu. The clinical trials indicate that vaccinees will attain certain antibody levels; they do not indicate how well those antibody levels would protect against an attack of the disease. Nor is there any guarantee that the swine flu virus would retain its present form; it might shift its structure and partially elude the clutches of the antibodies designed for the virus encountered at Fort Dix. No final judgment can be made of the efficacy of the vaccine unless a swine flu pandemic hits. If a different lethal strain should strike, the vaccine might be useless.—PHILIP M. BOFFEY

APPOINTMENTS

Thomas M. Law, president, Pennsylvania Valley Community College, to president, Virginia State College. . . . **James M. Dye**, chairman of education, Augusta College, to president, Waycross Junior College. . . . **William J. O'Halloran**, chairman, psychology department, College of the Holy Cross, to president, Le Moyne College. . . . **Warren B. Armstrong**, dean, College of Liberal Arts and Sciences, St. Cloud State University, to president, Eastern New Mexico University. . . . **Stanley R. Anderson**, dean, College of Agriculture, Texas A & I University, to president, Abraham Baldwin Agricultural College. . . . **Neal R. Berte**, dean, New College, University of Alabama, to president, Birmingham-Southern College. . . . **Armen Sarafian**, president, Pasadena City College, to president, La Verne College. . . . **Howard A. Cutler**, senior vice president, Institute of International Education, to chancellor, University of Alaska, Fairbanks. . . . **J. Edwin Becht**, acting vice president for academic affairs, University of Texas of the Permian Basin, to vice president at the university. . . . **Peter N. Magee**, professor of experimental biochemistry, Middlesex Hospital Medical School, University of London, to director, Fels Research Institute, Temple University. . . . **Roger J. Bulger**, executive officer, Institute of Medicine, National Academy of Sciences, also to chancellor, University of Massachusetts, Worcester and dean, Medical School at the university. . . . **Russel H. Meints**, professor of zoology, University of Nebraska-Lincoln, to director, School of Life Sciences at the university. . . . **Charles H. W. Foster**, professor of environmental policy, University of Massachusetts, to dean, School of Forestry and Environmental Studies, Yale University. . . . **Robert L. Tuttle**, acting dean, Medical School, University of Texas, Houston, to dean of the medical school. . . . **Jesse L. Steinfeld**, former surgeon general, U.S. Public Health Service, to dean, Medical School, Medical College of Virginia. . . . **Andrew A. Robinson**, associate dean, College of Education, University of North Florida, to dean of the college. . . . **Gordon Atkinson**, professor of chemistry, University of Oklahoma, to dean, Graduate College at the university. . . . **Calvert H. Smith**, assistant dean, College of Education, University of Cincinnati, to dean, School of Education, Howard University. . . . **Gladys A. Courtney**, chairman of general nursing, University of Illinois, to dean,

School of Nursing, University of Missouri, Columbia. . . . **Richard E. Dierks**, chairman of veterinary science, Montana State University, to dean of veterinary medicine, University of Illinois, Urbana-Champaign. . . . **Albert H. Soloway**, acting dean, College of Pharmacy and Allied Health Professions, Northeastern University, to dean of the college. . . . **Robert E. Fellows**, associate professor of physiology and pharmacology, Duke University, to head, physiology and biophysics department, University of Iowa College of Medicine. . . . **J. Robin de Andrade**, associate professor of surgery, Emory University, to head, rehabilitation medicine department at the university. . . . **Dennis R. Heldman**, professor of food engineering, Michigan State University, to chairman, agricultural engineering department at the university. . . . **Leon Gordis**, acting chairman, epidemiology department, Johns Hopkins University School of Hygiene and Public Health, to chairman of the department. . . . **Arthur L. Herbst**, associate professor of obstetrics and gynecology, Harvard Medical School, to chairman, obstetrics and gynecology department, University of Chicago. . . . At the Pennsylvania State University: **Robert W. Bernlohr**, head, microbiology department, to head, biochemistry and biophysics department and **Leonard N. Zimmerman**, former acting head, microbiology department, to head, microbiology and cell biology department. . . . **Donald Wetlaufer**, professor of biochemistry, University of Minnesota Medical School, to chairman, chemistry department, University of Delaware. . . . **Stanley Baum**, professor of radiology, Harvard Medical School, to chairman, radiology department, University of Pennsylvania School of Medicine. . . . **Edward J. Shahady**, chairman, family medicine department, College of Medicine, Northeastern Ohio Universities, to head, family medicine department, University of North Carolina School of Medicine, Chapel Hill. . . . **Robert O. Riggs**, dean, School of Education, Madison College, to president, Austin Peay State University. . . . **Lattie F. Coor**, vice chancellor, Washington University, to president, University of Vermont. . . . **John P. Hanley**, dean of planning and development, Sullivan County Community College, to president, Mercer County Community College. . . . **Timothy S. Healy**, vice chancellor for academic affairs, City University of New York, to president, Georgetown University. . . . **Roy A. Young**, vice president, Oregon State University, to chancellor, University of Nebraska, Lincoln.