



PRESSURE POINTS—When blood flows freely from a wound, it may mean an artery or a vein has been severed. To stop such bleeding, first aid trainees are taught two main pressure points: For an arm wound, just below the arm pit; for a leg wound, where the leg joins the body.

your arm straight, pressing the heel of your hand into the middle of the groin.

You undoubtedly have heard about tourniquets used to stop bleeding. Remember

that they are always dangerous. Applied by someone who knows how, they are useful, but they should not be used if bleeding can be checked by other means.

Science News Letter, October 7, 1950

ECONOMICS

Economics Affects Vote

► POLLSTERS may be much more exact in their future election predictions because the United States Census Bureau has divided the nation into 443 "economic areas." A young population expert of the Bureau, working on his own time, has discovered a remarkable correlation between these economic areas and voting habits.

The expert, Calvin Beale, of the Bureau's Population Division, has found in preliminary studies that people in one economic area are likely to have a consistently different voting pattern than people in the neighboring economic area. This does not mean that all people in one economic area vote either Republican or Democratic—only the pattern is different.

The areas—150 metropolitan and 293 non-metropolitan areas—were devised as a new tool in the study of many of the nation's problems. Already they are being used in planning of road systems, studies of migration and fertility.

Each of the economic areas consists of a county or group of counties within a state with agricultural, industrial and social characteristics that differentiate it from other areas. For purposes of study and research, this kind of area makes much more sense than the artificial, political boundaries of counties and states.

However, the new areas are a compromise in one respect. Since our vital statis-

tics are set up along county and state lines, the economic areas all consist of whole counties or groups of counties within states.

Dr. Donald J. Bogue, of the Scripps Foundation for Research in Population Problems, cooperated with the Census Bureau in setting up the new areas. It is his

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opinion that public opinion predictors will have to take cognizance of the new areas, making sure that their samples fairly represent all the different ones.

For pollsters, economists, sociologists and others who want to study problems on a national level, many of these economic areas may be combined across state boundaries. These combinations will probably be called economic sub-regions and economic regions. A sub-region will contain two or more similar economic areas without regard to state boundaries. A region is a grouping of several sub-regions which have the same fundamental characteristics. The nation can be divided into about 20 economic regions.

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On This Week's Cover

► THE first turbo-prop powered tactical attack bomber, the Douglas A2D Skyshark, combines a short take-off, a high operating altitude, and a speed approaching that of a jet fighter with a high load carrying ability. The bomber's predecessor, the Douglas AD Skyraider, has been used in the fighting on Korea. Skyraiders struck from the carrier Valley Forge on July 3 after receiving authority to bomb North Korea and have been hitting installations steadily ever since with 6000-pound bombloads.

The bombload per mile per hour of the A2D is almost 50% greater than that of the AD while fuel consumption per pound of bomb per mile is substantially the same as that of the AD piston engine airplane. This comparison indicates a great improvement in performance efficiency.

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