How Medicine Will Progress In 1970s

By HUGH BRENNEMAN Michigan Medical Society Modern communication and transportation have made the world a shrinking globe. A traveler can now touch four continents in one day by jet airplane.

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sphere.
We are fortunate that the health record of the United States has been kept on a continued high level, with freedom from major epidemics.

MOST HEALTH progress depends upon medical science, so it is important to recognize that medical science is based on innumerable hours of tedi-

on innumerable hours of tedi-ous, laborious, undramatic-work by individuals with an intense scientific curiosity. For example, the modern vaccines which are weakened so that they produce immunity without producing disease, are the result of an incident in the laboratory of Dr. Pasteur in Paris.

laboratory of Dr. Pasteur in Paris.
He developed a culture of bacteria for use in the study of a disease in chickens. He was distracted from the experiment, and the culture stood some time. We have been some time. We have been some time. We have been some time when he got hack to the experiment and tried to use his old culture, which should have infected the experimental birds with disease, it was found that nothing happened.

was found that nothing hap-pened.
Even when a new culture was used, the birds did not become ill. He immediately began to wonder what had happened to that culture that stood around, and what, if any-thing, that culture did to the birds that they failed to be-come ill from the later injec-tion.

come ill from the later injection.

He arrived at the conclusion that the first culture had grown weak through aging and although weakened, might still have the ability to protect. The experiments instituted to prove that point were the beginning of aging, or otherwise weakening, bacterial cultures to create immonizing agents.

IN A SIMILAR fashion, peni-cillin was discovered. It was noted that bacterial cultures sometimes failed to grow as expected, but developed other types of growth. Examination of these under the microscope disclosed a

well-known mold, the penicilium, or ordinary bread mold. The secretion, or product, of penicilium showed the growth of bacteria. This led to a clinical application and it was appropriately named penicililin. We can look for good medical application of the second shows the secon

most handicaps of this variety.

It is a state of family planning, better control of chronic diseases, better understanding of safety principles. will cut down the incidence of accidents and disease.

Hospital, nursing home, and out-patient home and office treatment of patients will be more effectively coordinated.

THESE ADVANCES are

THESE ADVANCES are predicated upon meeting the need for qualified young people to enter the bealing profession with a service motivation. Cooperation between health professionals and patients also will play a vital role. Patients can be a major source of medication of the professional profession, how the unama body works, the early signs of chronic diseases, and what to do in medical energeneries and in home nursing the profession of the pr

ing:
Because health progress is so rapid today, knowledge of where sound health information can be obtained is invaluable.
In a condition of rapid progress, and thus rapid change, a

In a condition of rapid prog-ress, and thus rapid change, a vast amount of misinterpre-tation and misrepresentation of health products and services can occur, so it is equally important for people to know what not to do.

Is State Attracting Investment?

How hospitable is Michigan?
How is it regarded by new firms and by firms that need more room so they can meet the demand of expanding markets?

How attractive an envi-ronment is it in terms of growth prospects and stabil-ity?

ONE MEASURE is in expenditures for new plant and equipment. During the last six years, according to State Commerce Director Richard E. Whitmer, now plant and equipment. Whitmer said the figures for the last four years according to State Commerce in one plant and equipment. Whitmer said the figures for the last four years—1966 through 1969—are unofficial. They were computed by the office of economic expansion of the Michigan Department of Commerce from data It collects from man source for the year 1965 show that Michigan led the nation in new plant and equipment investments—passing even the six industrialized states that are larger in population.

states that are larger in popu-lation.

Michigan's investment for new plant and equipment dur-ing 1965 was \$1.39 billion. Next highest was neighboring Ohio with \$1.38 billion while Califor-nia ranked third with \$1.2 bil-lion and New York fourth with \$1.103 billion.

"Such Gaith hexhed by his

\$1.103 billion.
"Such faith, backed by big money, presages Michigan's future," Whitmer said.

Alums Set Dean's Speech

Dean's Speech
Three area alumni of
Manchester (Ind.) College are
in charge of plans for an alumni chapter dinner meeting
to be held in Detroit, Jan. 18.
at7:30 p.m.
Max Douglas of Plymouth
Mrs. Doris Royer of Westland
and Dale Oxender of Ann Arbor are the committee.
Meeting in Greenfield's Restaurant on Woodward at Temple, the chapter will hear Deve of
Students Paul Hoffman give
a student's eye view of the
college.

college.

Alumni living in the counties of Livingston, Oakland, Washtenaw, Wayne, Lenawee and Monroe have been invited.

DINERS

OU Goes Contemporary For Adults

ROCHESTER "Contemporary" seems to best describe the 57 new con-tinuing education courses to start Feb. 16 at Oakland Uni-

start Feb. 16 at Oakland University.

In the new winter catalog of more than 200 evening programs are found such proveasity in the same as "the drug dilemma," "of poets and poetry." "threats to man's surviva," "threats to man's surviva," "threats to man's surviva," and "Russiam," on the liberal arts side: with "urban problems and the manager." the growth stock in the Wall Street jungle." "mergers and acquisitions," and "labor law and the 13s management and business programs.

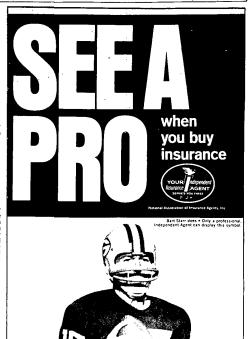
Also included in the winter term program are all of the more popular fall courses such manager." "representing the 13s management and business programs." "Gong Manamics," "Modern Morality" and the technical, science, computer and real estate programs.

Course information regis-

grams.

Course information, registration and continuing educa-tion catalogs are available by contacting Oakland University's Division of Continuing Education, Rochester 48063. Phone 377-2000, ext. 2171.





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