MICHIGAN STATE HIGHWAY DEPARTMENT CHARLES M. ZIEGLER

STATE HIGHWAY COMMISSIONER (Holly $\frac{1}{62500}$) MICHIGAN (OAKLAND COUNTY) DAVISBURG QUADRANGLE 7½-MINUTE SERIES 1 1 83° 30'

42° 52′30″

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THE TOPOGRAPHIC MAPS OF THE UNITED STATE

The Einstein States Geological Survey is making a series of the tention topographic maps to cover the United States. This can has been in progress since 1882, and the published maps press more than 47 percent of the country, exclusive of outlying

32'30"

The maps are published on there that measure about 104 by an incluse. Under the general plan adopted the convert is hirided into quadrangies beamded by parables of latitude and "maridians ad longtune. There quartangtes are mapped on the seel adopted to general use in the deselupment of the obstart, and tonsequently, though the simularit maps are of marity anthe above dapted to general use in the deselupment of the obstart, and tonsequently, though the simularit maps are of inferent sizes. The data size, the areas that they represent are of inferent sizes, there are it is areas that they represent are of inferent sizes, there are the barres that they represent are of inferent sizes, there are the scale of the map is shown in a fact different sizes, addition, the scale of the map is shown in a fact inferent size, there are that a sour on the area (marks of the transport responding distarts on the transport and on the sector equivset is a many the scale of the map is shown in a fact. I foot, or be additive, the scale of the map is shown in a fact. I foot, or be additive, the scale of the map is shown in a fact. I foot, or be as a none that a sour on the area (marks of the sector equivertion presents that a sour on the area (in the sector equivertion presents that a sour on the area (in the sector equivertion presents that a sour on the area (in the sector equivertion presents the sector in the sector equiverse the mater) represent the source the sector equiverse the atom years been of three types differentimed as follows. I, Surveys of meas in which there are problems of great and the importance -relating for equivation of maps to ina material thread the base of great and the importance of the sector in the publication of maps to ina material thread in the publication of maps to ina material to inclusion of maps to ina material to the individue of maps to ina material and in the publication of maps to ina material end of in the materian in the publication of

 Burveys of areas in which them are problems of average public importance, such as most of the beam of the Misuscippi and its tributaries, are made with sufficient detail to be used in the publication of maps on a leafs of dig (1 inch=nearly 1 mile), with a contant interval of 10 to 100 fact.
Burveys of areas in which the problems are of minor

ablic importance, such is much of the mustain or deent

a linerto faco la now in progress. Lite scale of the spinse maps is efficient of the interval of the attracted in abruptly a subown on topographic maps may be attracted in abruptly a solution water, including seas, bakes, nivers, ranals, gradually other bodies of water; (2) relief, including erect by a dis, valieys and other featurie of the find surface; features is works of map is such as fowns, offer, roads, mile stock by manuaries. The symbols need to represent these. The con-

plained below. Variations support on one contour and ditional features are remeasured on This interval di mapped: in a fi are represented in blue, die smaller mountanous reg ele blue lines and the larger streams that the contours are recompanied by i

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It of the year— points—such as road intersections, summary and benchmarks—are also given on the metric fact only. More which on a few show altitudes to the neuron fact only. More e effect of light — for the altitudes of benchmarks are given in the seated, for the — ver's balleting on spirit lexifing. The good thing alting in — triangulation and tripet-stavenes stations are

Lettering and the winks of man are shown in black. If Lettering and the winks of man are shown in black. If are <u>a pain</u> at those of a State, journty, city, land grout, sing, or reservation, are shown by continuous or broken if different kinds and weights. Public roads sublike for taval, the greater part of the year are shown by solid a linest geor public reads and private made by dished a

520000 FEET

insemblation of a statistical is anown over the structure. Each quadrangle is designated by the same of a city, fown a provident natural feature within it, and in the margine o be map are printed the names of adjoining quadrangles o chick maps in the been published. More than 4,100 (quad angles in the United States have been surveyed, and maps o being similar to the one on the other side of this shoet har

Geologic maps of some of the areas shown on the topographi area have been published in the form of follow. Each foll

all as 1 bioty m.a. 50 fiet. In order resid contour lines. An others and are auchines of many surfilms of many in figures, which are precise figures to Geological Eur-

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

(Follow)

83° 37′30″ 42° 52′30″

> 500 000 FEET

> > 501



