Help wanted: employees to fill high-tech jobs

Area psychiatrists back seat belt use

consed by automobile accidents, the Michigan Psychiatric Society (MPS) has urged the Michigan Legislature to enact the pending mandatory seat belt

"The mental health benefits of seat elt use have been largely ignored in he debate on this bill," said Dr. Melvin teinhart, president of the 900-member

Heinhart, president of the 900-member MPS.

Heinhart, president and citizens, we support the legislation, especially when we post the legislation, especially when we have a support to the positive history of a similar is with metalphoring Ontario. We are established to the support of the properties of the driver. Both about the driver's responsibilities for the ore family and for everyone fiding in the ear," said Dr. Cassandra Rhyman of Bloomfield Hills.

Bloomfield Hills.
Klyman, who has treated the survivors of auto mishaps in which seat belts were not in use, observed that drivers whose passengers were killed or disabled carry permanent emotional

or disabled carry permanent emotional scars.

"I cannot tell you how much agony a paraplegic suffers for life because of a thoughtless moment. And those who could have insisted that everyone in the car use seat belts suffer deeply, too," Klyman said.

"When there's a death or disabling injury from failure to wear seat belts, it can be a serious family problem," said Dr. Joseph Fischhoft, director of Psychiatric Services at Children's Hospital in Detroit.

\$ 54900

for not buckling up their young chil-dren. The children cannot forgive them either. The regrets and the guilt are catastrophic," Dr. Fischhoff said.

either. The regrets and the guilt are catastrophic." Dr. Fischhoff said.

"SOMETIMES I have had to tell passengers in my own car to buckle up for me, even if they don't want to for themselves, because if they don't, the car wont move," said Dr. Emanuel Tanay of Detroit.

Tanay recalled that when he purchased his first car in 1953, he picked up some belis from an aviation superior of the said as service station install a mean that had a service station in the frame to serve as he anchor.

In urging passage of HB \$103, MPS also took note of the physical pain and suffering, some of it permanent, that results from the failure to use seat belits.

Closed-head injuries are among the most severe consequences of such accidents, according to a recent report from the American Automobile Association. The report showed that about 500 state residents suffer closed-head injuries in automobile mishaps each year, up to 90 percent of which could be prevented by seat belt use.

Average acute-care and treatment expenses amount to \$52,500, according to the AAA report. Inpatient rehabilitation can cost an average \$50,000 per year, while outpatient costs, beyond those involved in equipment and home modification, average more than \$10,000 annually.

"THE STAGGERING costs of treat-ment and rehabilitation are another el-ement in the mental anguish resulting from the failure to use seat belts at all times," said Dr. Linda Logsdon of Southfield.

high tech Ronald R. Watcke

setis Institute of Technology and the University of Michigan have a dispro-portionate number of students enrolled in computer science and electrical en-gineering programs.

portlonate number of students enroused in computer science and electrical engineering programs.

Some of the largest enrollments in technical programs at community colleges are also in electronics and computer data processing.

In 1981 the U.S. Bureau of Labor Statistics forecasted that by the end of this decade, employment for data processing machine mechanics will increase between 148 and 173 percent, or 172,000 jobs nationwide.

In addition, computer systems analysing will increase 106-123 percent, or 1885 percent of the programmers, 18-98 percent and computer systems, 81-98 percent and computer programmers, 74-87 percent.

MANY EMERGING occupations in high technology fields are also being identified. Simply stated, an emerging occupation is one that no one used to work at, a few people work at now, and lots of people will work at soon.

In their recent book, "Encounters with the Future: A Forecast of Life into the 21st Century," Marvin Cetron and Thomas O'Toole anticipate that the following high-tech occupations will become increasingly important and forecast the total number of U.S. jobs for each category in 1990: cast the total number of U.S. jobs for cach category in 1990:

• Energy technician — 1.5 million jobs.

• Hazardous waste management technician — 1.5 million.

• Industrial laser process technician — 2.5 million.

Bionic-electronic technician —

200,000.

• Battery technician — 250,000.

Some may take issue with these predictions, but even if the numbers are inflated, the employment future for these occupations does look very promised.

ADDITIONAL emerging occupations were identified in the recent supplement to the U.S. Department of Labor's Dictionary of Occupational Titles

Dictionary of Occupational Titles (DOT).

To name a few, the DOT supplement included: Chemical-radiation technicalism, computer-assisted drafter, satellite-instruction facilitator, software technician and word-processing machine operator.

Ronald Kutscher of the U.S. Burcau of Labor Statistics believes too much emphasis is placed on emerging ca-

Industrial robot production technician — 1.5 million.
 Materials utilization technician— 500,000.
 Genetic engineering technician— 150,000.
 Holographic inspection specialist— 200,000.
 Bionic-electronic technician— 150,000.

be available in 2010," he said.

IF YOU ARE looking toward that year and beyond, then Norman Feingold has just the book for you. Feingold, president of National Career and Counseling Services, recently wrote "Emerging Careers: New Occupations for the Year 2000 and Beyond."

His report on more than 100 emerging careers included some which were high-technology related. These included artificial intelligence technician, aquaculturist, bionic electronic technician, cryogenic technician and asteroid or lunar miner.

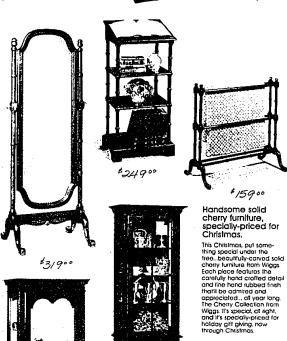
Next week's column will review and comment on several high-tech training and education programs in southeast Nichigan.

A Troy resident, Dr. Watcke is dean of liberal arts at Wayne Coun-ty Community College.













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