

Miscellaneous:

- Experimented with microphotography and telephotography; chemically processed the film and contact prints.
- Explored caves, studied blind spiders.
- Won first prize in a Mathematics Contest sponsored by the American Chemical Society.
- High School graduation speaker; topic was "The Challenge of Sputnik".
- Member of National Honor Society.
- Played saxophone in marching, concert, and dance bands.
- Part time apprentice in a small machine shop.

1958-1960

Wheeling Jesuit University- Pre Engineering curriculum.

Partnered with Professor Dr. Joseph Hanzeley S.J. to write a technical paper on Carboniferous flora, including some new discoveries. See photo of a news article at right.

1960-1963

University of Detroit- Bachelor of Science in Mechanical Engineering- Courses included Nuclear Engineering, Wastewater Treatment, and Air Pollution Control. Laboratory courses included constructing an experimental fuel cell for automotive use.

Co-op work, in conjunction with University studies:

- **City of Chicago**, O'Hare Field; soil testing.
- **Ethyl Corporation**, Detroit; automotive fuel efficiency and emission testing, catalytic converter efficiency tests, dynamometer and road tests, IBM and LGP 30 computer programming.
- **Ford Motor Company**, Detroit, Glass and Plastics Division, Rouge Plant; devised a method for disposal of glass grinding and polishing (rouge) wastes; devised a method to recycle scrap windshield plastic (polyvinyl butyral); and several other projects.

