ination Control Laboratories

Contamination Control Laboratories, a Livonia firm specializing in clean air practices, has consulted with companies involved in the manufacture of products in these industries. For example, Dow Corning Co. of Midland called in the experts to reduce airborne contaminants (dust is the main offender) in manufacturing facilities where they produce silicone breast implants, artificial finger joints and other body parts.

implants, artificial linger joints and other body parts.
Frank Austin, vice president of the firm, said "we can help any company that requires a contaminant-free environment. We help them design a clean-room (sometimes referred to as a white

room (sometimes referred to as a white room) facility to their specifications, "Sometimes," he said, "one speck of dust is critical. This is particularly true of companies manufacturing computer chips for the electronic industry. Thou-sands of chips are useless when dust settles on them during the production process.

"We can help a company develop a facility that will increase their production. Then we help them train their personnel who work in these rooms."

THE MANUFACTURING process of products and specific methods used are usually taken for granted by most consumers. In fact, they usually don't give it a thought. "Consumers don't have any idea how far-reaching clean air re-quirements have extended," said Aus-

thremens have extensed, same nur-tiven the Vietnam war required ap-plying the principles of clean air tech-nology. A company in Chicago, for example, manuactured an instrument called a "night scope," whichs ampli-fies an existing light source, allowing a marksman or spotter to "see" at night. The instrument is extremely deli-cate. "The manufacturing facility re-quired a dust free, humidity controlled atmosphere. We supplied the expertise

said.

While a technological application of air flow and filtering principles are a day-to-day happening at the Farming-ton Road plant, the average consumer has also benefitted for their ability to decrease the same of the

nas also benefitted for their ability to clean up the air.
Millions of people in the United States suffer from allergies. Those most commonly occuring that trigger allergic symptoms are dust, mold and pollen.

pollen.

ALLERGISTS INSTRUCT their patients to "mold-proof and dust proof" their environment. In an effort to aid the allergy sufferer, Austin has marketed a highly improved furnace filter that can be slipped into the furnace, in place of the old fiberglass type. The filters, marketed under the brand name Austin Allergy Filters, remove dust, mold, and other air-borne contaminants through a specially treatment of the filter filter. The filters are different and additional irritant. Also, the fiberglass streads are not the filter to become efficient. With the filters the process begins as soon as it is installed in the furnace.

"Actually, veryone who wants to

as it is installed in the furnace.

"Actually, everyone who wants to breathe cleaner air in their homes cause this product," he siad. "We found out how many thousands of people are interested in a good filter when we had a display at the Detroit Builders and Flower show, We knew then we had good product."

good product."

ANOTHER WAY in which the consumer will benefit is illustrated by consulting work provided for the ExCello plant in Walled Lake. ExCello, which makes cartons for the dairy industry, is trying to find ways to extend the shelf life of milk. trying to Imlife of milk.

life of milk.
"To do this," Austin said, "the amount of air contamination had to be reduced even further than what today's standards call for. High efficiency air

filters (called HEPA filters) were an absolute necessity."

We make HEPA filters that are 99.99 percent efficient and which will filter contaminants out of the air as small as 0.3 microus. By way of comparison, the smallest bacteria are 0.3 microns, pelen about five. A micron is 178,400 (of an) inch thick. "This gives you some idea as to how small a particle we are dealing with."

Right now the company is involved in Improving equipment used to clean liquid oxyge and fuel lines. He said that contaminants in these lines could cause maltunctions of the ines could cause maltunctions of the rocket engines or even an explosion. He pointed out that it is vital to the success of the launch to see to it that the lines provide a continuous flow of oxygen and other propellents to the engines. Precision cleaning of these same types of oxygen, hydraulic and pneumatic lines isn't always done on site. It is excomplished at the company's own continuous flow of oxygen, hydraulic and pneumatic lines isn't always done on site. It is excomplished at the company's own continuous flow of the continuous flow on site. It is occomplished at the company's own continuous flow of the company o

plant in Warren.
"We clean fortuile lines, pneumatic lines and other components for the M-60 tanks. By having the clean for the M-60 tanks. By having the malfunctions of the weapons control system," he said.
"A particularly interesting cleaning specification we were asked to do was for the Enrico Fermi nuclear power plant in Monroe They had some chemical drainage lines that had to be contaminat free.

cal drainage lines that had to be con-taminat free.

"The application of cleaning princi-les, both airborne contamination and liquid contamination is so wide-spread that we never know if we will be called on to consult for a pharmaceutical company, or companies manufacturing computer components. We are diversi-fied to be able to handle any kind of a situation."



Monday, March 5, 1979

Hene Schiller (left) and Barbara Roausch of Con-tumination Control Laboratories cap hydraulic tubes for use in army tanks before they are shipped to the

Chrysler Tank plant in Warren. Minute particles could cause weapon control problems. (Staff photo by Art Emanuel)

## South Redford is state accreditation champion U.S., Grade A, No. 1... That's what it ays on the sack. trict to have won the educational world's "mark of excellence" for all of

U.S., Grade A, No. L... That's what it says on the sack. Shoppers at Eastern Market can know from the label that they are buying a bag of federally certified Michigan spuds. Can these produce buyers check as easily that their kids are going to a top-noteh school by looking for the business world's index of quality-reli-who brand recresentation?

business world's index of quality-reli-able brand representation?
Granting that any appraisal of the process of human learning and devel-opment is infinitely more complex than judging produce, the answer is still yes. The certification is official and is called accreditation in the business of public education.

and certification is discussed and called accreditation in the business of public education. The accreditation status for schools is administered on a regional basis and fichigan is included with 19 mid-section states. Few school systems in the country have their regional rating for all of their schools, district in the state with multiple buildings to win all-grades recognition from the North Central Association of Schools and Colleges in Wayne County. South Redford. comprising the southern half of Redford Township, attained the distincive honor in the spring of 1977.

SOUTH REDFORD is still the only Detroit metropolitan area school dis-

world's "mark of excellence" for all of its buildings. As a Class A school district, it renains the only one in the state with this covered status. Three small out-state districts have earned full K-12 accreditation: Class (D)-Fruitport. Class (C)-Stanton and Dundee.
What is behind the educational brand name of accreditation?

name of accreditation?
The formula for success sounds very name or accreuation?
The formula for success sounds very familiar. It would appear the rules are much the same for the entrepreneur whether the business be education with a capability of turning out graduates who can measure up in today's world, or a productive facility that can continue to compete in a tough market with a successful product.

As Supt. Jan Jacobs of South Redford summarizes the accreditation process, the school must show capacity to meet high standards that apply to the total operation. There must be continuing evaluation to ensure quality control and constant striving to improve at all levels.

and constant striving to improve a mi-levels. School business and other businesses utilize similar phraseology in the as-sessing approach, but each undertaking varies in applying the generalizations. When North Central comes in, what takes place for schools?

FIRST. THE measuring rod. Over many decades, professional educators of great renown in the nation have worked with schools to establish criteria for "good education" that could be administered in an organized fashion through the regional associations — a total of five for the 50 states. Next, the process.

Step One — Schools that think they are meeting the standards apply for accreditation status after a visit from a North Central executive.

North Central executive.

Step Two — Review by the accredit-

Step Two — Review by the accrediting agency headquarters with granting of provisional accreditation if bid is successful.

Step Three — Self-evaluation by the school staff in which the school examines itself in terms of its own individuality as a learning institution while looking in the mirror of North Central Accredit his resulting.

looking in the mirror of North Central Association requirements. Step Four — Visitation by a team of North Central appointed experts to judge the school in session and review the self-evaluation report. Step Five — Study by the staff of the visiting experts' appraisal and a report to the superintendent and the Board of Federation.

Step Six — Follow-up reports to the North Central Association which ensure the accreditation for a seven year

period from the initial granting of the status if all is well.

SOUTH REDFORD is now at the final stage with its elementary schools
where follow-up reports are in order
following staff study in each building of
the visiting experts' inspection reports.
In 1983, the seven-year cycle begins
anew. The same process holds for the
secondary level, where accreditation
has been previously determined. Senior
highs in southeastern Michigan are customarily accredited to ease graduates'
admittance to college, explained Principal Henry McCurry, a long-time administrative supporter for elementary
accreditation.

ministrative supporter for elementary accreditation.

"Presently, it is uncommon for junioration and present status," he added.
"Accreditation provides a proven discipline for schools to work up to standards and to keep trying to improve," Supt. Jacobs said.

New programs that emphasize educational services to the entire community earn special attention from North Central which has developed guidelines around the American concept of the school as part of the community, serving the community under democratic principles, the superintendent added.

the local school is an illustration of the scope of North Central awareness. The district's programs for seine critizes and its planned, early-childhood (preschool) curriculum wan special commendation from the official visitors.

THE NORTH CENTRAL manual on policies and standards contains 50 pages of succincilly stated requirements that are both penetrating and broad in scope in their cuttline of educational merit:

Two examples under the heading of institutional Evaluation: (1) "Particiaption Students eathers (examples states for the page of the states of

Two examples under the neading of Institutional Evaluation: (1) "Partici-aption: Students patrons (meaning any citizen, especially parents) and profes-sional staff members shall participate in approprate phases of the self-study; (2) The school shall carry out a system-

atic evaluation of the major aspects of its program on an ongoing basis."
Borrowing from the business world market research approach, the agency-poses a progress criterion which must be salistical. "The school makes appropriate use of follow-up information, concerning its former pupils, to assist in the assessment and improvement of its program."

In the seven-year cycle, certainly the first two years asre the hardest on the staff with may hours of meeting and discussions and study needed to comply with the schedule. That period is now ending at South Redford for elementary teachers and administrators and parents active in school life.

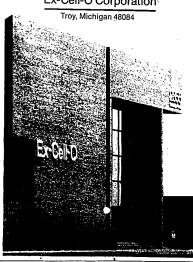
Their comments reflect satisfaction: "It was tough, but it is worth it."

"It was tough, but it is worth it

Progress Section **Editorial Coordinator** FRED DeLANO Assisted by DELL McCLOY **Advertising Coordinators** CATHY WALLACE MAUREEN FEDER Cover design by JANET CAMERON

## We view tomorrow with great optimism, based on our progress to date.

Ex-Cell-O Corporation







H.J. VAN HOLLENBECK DISTRIBUTORS, INC., OFFICE AND WARE-HOUSE FACILITIES, AUBURN HEIGHTS, MICH.

The buildings above were recently constructed by:

## W. J. Stewart Contracting Corp.

If you're thinking of a new building, or expansion of existing facilities... WE HAVE A TEAM

W. J. Stewart Contracting Corporation is a highly respected "Design and build" firm that will carry the ball for you from finance through land acquisition, site and building design, to a "turn key" completed building. We have this capability because we have our own design and engineering staff, our own structural steel manufacturing plant, complete coordinated units of the architectural trades journeymen and our

own excavating and heavy equipment firm (Mobile

Crane Rental Service Division). In addition, we are the franchised dealer-erector for Braden Metal Building Systems, nationally known and respected as a steel building manufacturer. Let our team build a beautiful building with great functional detail for you. We promise you considerable savings in both time and money.

Métal Building Systems

## W. J. Stewart Contracting Corp.

2249 EDINBURGH, PONTIAC, MICH. 674-0334

Specializing in Commercial, Industrial and Warehousing Construction