

Architects from page 1F

subdued, made of earth tone bricks and metal roofing. Floors include wood parquet, marble and onyx.

The most dramatic change in Catholic church design occurred in the 1960s with Vatican II, a papal-inspired dramatic departure from centuries-old tradition.

"Before that, churches were basically rows of seating with long aisles. The altar was way to the front. The priest said Mass in Latin with his back to the congregation," Brown said.

"With Vatican II, the altar was moved closer to the people. Different acoustics were required. Fan-shaped seats clustered around the altar. Even Protestant churches became wider. We worked on a Methodist church where all the furniture was moved to the middle."

Teefey notes another change in Catholic church architecture is size and location of the baptismal font, from small and inconspicuous to large enough for full body immersion and prominently located in the nave, near the front doors.

"There is a lot more participation (in Catholic worship) and less observation," Teefey said. "Culture and religion play an important role in the design."

Brown says that each church project eventually takes on the personality of its priest or minister.

"Many years ago, I designed Clarenceville Methodist Church in Livonia. I first spoke to the minister on the phone. She had a very deep voice. When I met her, I was shocked to find a woman. Woman ministers were rare then."

"Her name was Elsie Johns and she took over a very small church and built it up. She was a doer. With a building committee, we designed a church fellowship hall, then a sanctuary. A choir room came later. It's a white building. It's sort of a gentle church, a reflection of the minister."

"She passed away many years ago, but the church hasn't changed at all. I get back there once a year."

Currently, the firm is designing St. Jerome's Catholic Church in Troy. The old parish, on Eight Mile east of Woodward in Detroit, is an ethnic Croatian church with a trying to maintain its language and customs.

Thus, the new church, on 14 acres off Wixom east of Livonia, will maintain a Croatian identity. There will be a 400-seat sanctuary, a hall with dining for 500, and rectory/office to serve a membership scattered throughout the metro area.

"The church is a unifying thing," Brown said. "Members are very disturbed by the war in the former Yugoslavia. Each committee meeting starts with a group clustered around a shortwave radio from Sarajevo."

Construction on the \$2.5 million church is due to begin next spring. "We can't duplicate the stone but it will have a rugged, rusticated surface and stucco," Brown said.

Added Teefey: "The building will have a strong Mediterranean flavor, fairly traditional outside. It will have a terra-cotta metal roof. Each building will have a separate identity but he joined together."

Six acres have been set aside as a nature preserve.

Pastor Joe Galic says the church is moving out to where its congregation lives. "We are a small parish and most of the peo-

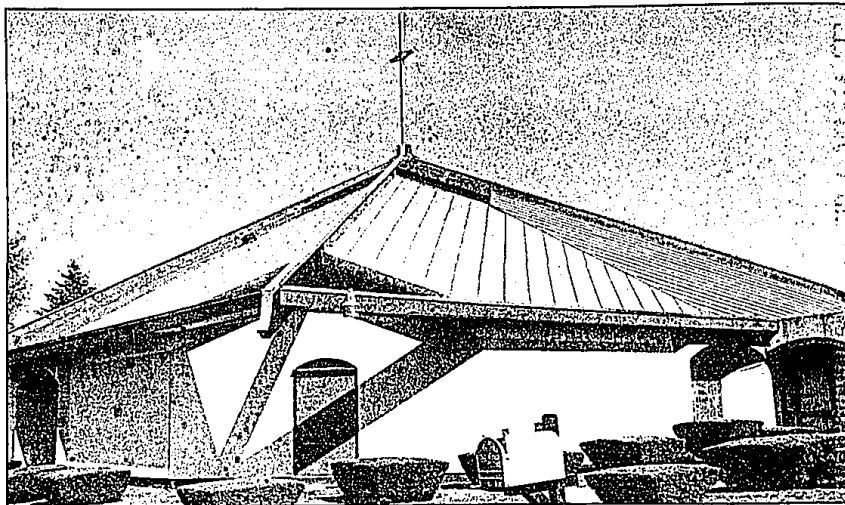
ple are gone from here," said Father Galic, ordained in Sarajevo in 1966 and who came to the U.S. the following year. "Everyone is excited about it. We like to have something new but old-fashioned

too, kind of Croatian and Mediterranean."

Funding will come from parishioners and an Archdiocesan loan. A shrine and a statue of St. Jerome will be taken from the old

to the new church.

Brown Associates has designed churches throughout Michigan and in Delaware, Pennsylvania, Illinois, Maryland, Maine, New York, Ohio and West Virginia.



ART EMANUEL/STAFF PHOTOGRAPHER

Durable design: Clarenceville United Methodist Church in Livonia is a gentle church reflecting the personality of former minister Elsie Johns, who worked with Brown Associates on its design back in the 1960s.

Global from page 1F

AH&M, headquartered in Massachusetts, maintains a network of affiliates and contract agents throughout the Americas, Europe and the Pacific Rim.

Even scientists are setting their sights beyond borders. RHK Technology Inc. of Rochester Hills has begun developing an electronic imaging system that helps researchers in physics, chemistry and other sciences visually explore molecules and atoms.

The new 3-D imaging system reveals molecular surface features that resemble mountain peaks, deep fissures and Martian-like desert. "Now we can see what has never been visible," said Brad Orr, University of Michigan physics professor.

Customers include Philips Research Laboratories in the Netherlands, Tel Aviv University and the University of Hong Kong.

Recently invented, scanning probe microscopes are helping scientists understand familiar and exotic materials. They are

being used to investigate materials for hypersonic aircraft and space vehicles, superconductors and pharmaceuticals as well as industrial cutting tools, automotive alloys and future consumer products.

Moreillon & Shields is a new public relations firm with offices in Livonia and Windsor to service cross border business. It's unique in that its partners include one American, Robert Moreillon of Northville, who has a public relations background, and a Canadian, Bill Shields of Windsor, a journalist who covered business and automotive beats for the Windsor Star.

"With the free trade agreement, commerce is moving back and forth across what is called the world's friendliest border," Moreillon said. "Canada is not as foreign as Japan, but there are subtleties that can mean a world of difference in the business world. We're talking to three or four companies right now that want to take advantage of the Ameri-

can market."

Meanwhile, Caz International Inc. of Southfield provides building design and engineering services and helps its clients understand the language, customs and building trade practices of Mexico.

"Sometimes, the knowledge of local customs can spell the difference between success and failure of a business venture," said Gabriel A. Carrillo, of Farmington, president of CAZ International. An American-educated native of South America, the professional engineer and general contractor Carrillo has managed construction projects in Mexico, other parts of Latin America, the Caribbean and the Middle East.

He said American companies that build factories in Mexico and other countries often spend more time and money than necessary because they aren't familiar with the way things work in the construction industry in those nations. "It isn't enough just to speak

Spanish. There is a whole culture that must be appreciated," said Carrillo. "Sometimes, the most important part of any conversation is the subtle message that comes through without any words."

Michael Mercier, president of the 2,000-member Troy based Metro Trading Association, has been elected to lead the newly formed Corporate Trade International, an affilia-

tion of trade exchanges from the United States, Canada, England, France and Australia.

"In my role as president, I expect to contribute to the organizational structure and procedures that will enable us to realize the objective of bartering agreements among major international corporations," Mercier said.

Metro Trading Association serves as a facilitator for companies looking to exchange goods and services with other companies. Members trade their excess inventory or excess capacity with other members in a debit/credit arrangement, using trade credits instead of cash. At a \$10 billion a year pace, barter is one of the fastest-growing businesses in the U.S., according to the MTA.

Southfield firm sells Russian lumber

Eagle Bear Associates, a Southfield company doing business in the former Soviet Union, has signed a \$2 million contract to deliver Russian lumber products to a Canadian company.

"Because of recent U.S. Government plans to limit logging on federal timberlands, this program will provide a partial answer to the lumber shortages that will occur," said William B. Harrington, Eagle Bear president. "It will also have a

positive affect in holding down lumber costs."

Eagle Bear was founded three years ago to focus on business opportunities in the former USSR. "Our market is saturated with products here," he said. "Russia has 300 million people; China has 1 billion. They'll be interested in buying American products."

Harrington and three other Michigan businessmen are going to Siberia this month to teach fundamental business

techniques at a state university there. "(Russians) are good in theory but have no hands-on expertise. I'll focus on marketing and sales," Harrington said.

"We should be dealing on a global basis. Eighty-five percent of the population of this country has jobs with small- and medium-sized companies. We all have appliances, cars. Who are we manufacturing for? Companies have to start getting visionary."

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