

The experts tell how to create a summer

By LORAIN MCCLISH

The Farmington Youth Assistance (FYA) will have all the options laid out for community residents to create their own summer in a program scheduled for 7:30 p.m. Thursday, in Farmington Hills Community Library on Twelve Mile.

"Kids won't be able to cry that there's nothing to do. We want to make the summer of '78 a happening," said Julie Karagozian of the FYA. "By knowing in advance what is available in the way of summer activities and recreation, you can create your program to include all the things you have always wanted to do with

your family, friends and neighbors."

Everything that is available will be explained by representatives from Farmington Hills Parks and Recreation Department, the public schools, the clergy association, the Farmington Community Center, the YMCA, the libraries, Oakland County Parks and

Recreation, the Jewish Community Center, and Detroit Adventure, Inc.

DETROIT ADVENTURE alone is comprised of 33 major Detroit area cultural and educational institutions. The FYA is sponsoring the program in cooperation with the Farmington Community Library and Michigan

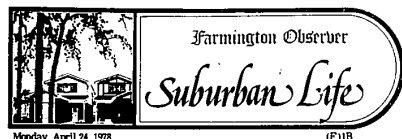
Association for Children With Learning Disabilities.

The program is expected to run for about two hours, and guests will be invited to ask questions from those who are speaking on their group's offerings.

Guests will also be given an informative packet containing some bro-

chures, and some ideas for summer outings and activities. The program will include activities for those of all ages.

The event is being chaired by John Pinkerman, an FYA staff worker. There is no admission charge, and reservations are not necessary.



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Farmington Musicale

8 take scholarships

By LORAIN MCCLISH

Eight young musicians walked away with scholarships given by Farmington Musicale, after the 10th annual competition sponsored by the group for junior and senior high school students.

Lisa Johnson, a flutist from Harrison High School, took the Young Artist Award, a relatively recent award established by the Musicale for a high school senior who intends to continue in music in college.

Another new award, given for the first time for composition, was won by Todd Levin. He performed his "Sonata for Percussion" in four movements, on the marimba.

In the competition for senior high school musicians, Miriam Kast took first place. She is a pianist from Our Lady of Mercy High School.

Miss Kast was followed by trumpeter Sheldon McDaniel from North Farmington High School, and clarinetist Fran Stark from Harrison.

IN THE JUNIOR division, Paul Chapman, a trumpeter from O.E. Dunkel Junior High School, took first place.

He was followed by Judy Kim, a pianist from Behan Junior High and Jill Trent, a violinist from Warner Junior High.

Judges for the competition were Mildred Everson and Don Renz in the senior division, while Dorothy Berry, Fred Shafe, Landson Swanson and Bertil Anderson, judged the junior competitors.

The Farmington Musicale is a member of the National Federation of Music Clubs, the aim of which is to develop the musical talent of its mem-

bers and to stimulate musical interest in the community.

The group established its first Scholarships in Music to fill a void in the community, open to all students in grades seven to 12 who attend Farmington schools, or who live in the Farmington area but attend school elsewhere. With the establishment of the two new awards, the sum dispensed totaled \$550 this year.

In its efforts to stimulate musical talents, as well as promote appreciation for music, musical events are programmed regularly, both for its members as well as the community at large.

EACH SPRING, members divide their time planning for the group's two biggest events of the year—the scholarship competition and a celebration of music for National Music Week.

John Glick takes seat on arts commission

Farmington potter John Glick assumed his duties as a newly appointed commissioner on the Farmington Area Arts Commission this month.

He replaces recently retired commissioner Nancy Bates, who is a charter member of the two-city body formed to promote the arts.

Glick is the owner and operator of Plum Tree Pottery, on Ten Mile, between Orchard Lake and Middlebelt, and is the recipient of numerous awards for his work. He is holder of a Michigan Arts Award, and last spring was given the Artist in Residence tribute by Farmington Area Arts Commission in cooperation with Michigan Council for the Arts.



Three young musicians who took top spots in the Farmington Musicale's spring competition are Lisa Johnson (at left), a flutist from Harrison High School, trumpeter Paul Chapman from O.E.

Dunkel Junior High, and pianist Miriam Kast from Our Lady of Mercy. (Staff photo by Harry Mautbe)

Scientists study birth defects

Whether you made your March of Dimes contribution to the Oakland County Chapter or the national organization, some of that money may have found its way to a low, cement block laboratory building on Michigan State University's south campus in East Lansing.

The laboratory is the MSU Endocrine Research Unit (ERU), where physiologist W.R. Dukelow heads a team of scientists from the MSU departments of physiology and animal husbandry.

There, Dukelow and two colleagues, Dr. G.D. Riegler and Dr. R.H. Douglas, seek knowledge of reproduction, stress and aging in domestic animals, primates and, ultimately, humans.

March of Dimes research grants fund several studies on chemical and environmental stress on birth defects. Studies also are underway that aim to develop a rapid technique to screen drugs, pollutants and other chemical compounds for teratogenic (birth defect-causing) effects.

Current studies with hamsters have shown that heat stress during pregnancy can cause a variety of birth defects in the unborn young. Similar studies in swine, conducted by Riegler, indicate that heat stress during pregnancy can significantly reduce litter size.

AS PART of their work on birth defects, Dukelow and his colleagues are working on a system that will allow them to remove eggs from monkeys, fertilize them outside the mother animal's body and then return the fertilized ova to the uterus to develop normally.

"We can routinely remove ova, fertilize them in the laboratory and get them to live and grow for a few days," says Dukelow. "We still don't know the precise conditions, however, that are needed to get a fertilized egg to implant in the wall of the uterus after

we have returned it to the female's reproductive system.

Once we can accomplish the whole cycle, we will have an ideal way to test new contraceptive compounds, drugs and other chemicals," he said. "This is a major reason why the March of Dimes supports our research."

Biomedical scientists could expose fertilized monkey ova to the experimental drugs and then follow the development of each fetus to determine whether the chemical causes birth defects.

Dukelow and his colleagues have developed special techniques using a laparoscope, a device that allows researchers to observe internal organs and make minor internal manipulations without surgery.

"This is of major importance, because the trauma of surgery could easily throw out of balance the sensitive process of reproduction at any one of many crucial phases," says Dukelow.

He implies that this may be one reason that an ovum fertilized outside the reproductive system never has been successfully transferred in human or non-human primates.

THE LAPAROSCOPE is used to remove the egg from the donor monkey's oviduct. "We haven't succeeded in achieving implantation and normal pregnancy, but we have in some cases observed typical early pregnancy symptoms," Dukelow said.

Laparoscopy techniques also are used by ERU scientists to conduct basic research about normal reproductive processes in several species.

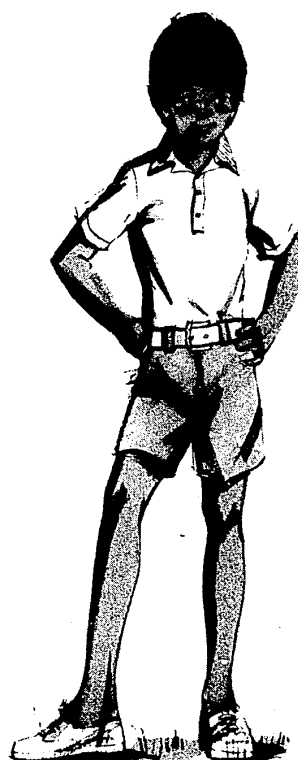
Anyone who has taken a high school biology course may think that the experts know all there is to know about reproduction and birth. "Not so," says Dukelow. "We're learning more all the time, but there is still a huge amount that we don't know."

Studies of reproduction fall into three general categories—ovulation, breeding and embryo physiology.

In ovulation work, studies have focused on the normal process and on the development of ways to inhibit or induce the growth and release of an egg from the ovaries.

A major finding in the breeding research area has been the development of a method for increasing the number of piglets born per litter.

Stock up on boys' summer shorts now to be ready for vacation and camp days in the sun, comfortable and cool solids in an array of colorings. Of polyester/cotton, they've the stamina to withstand the rough and tumble of outdoor activity and wash/dry without a care. 8-18 regular and slim. \$5.



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