

Outer space connection:

Kids talk to Ohio via NASA

By CRAIG PIECHURA

Twenty-three local whiz kids will get a rare treat this week by participating in a NASA scientific exchange program.

Students from Southfield, Birmingham, Troy, Novi and Berkley will communicate with 18 Ohio students by beaming a television signal of 11.7 gigahertz off the Communications Technology Satellite (CTS) stationed 22,300 miles above the equator in space.

The science projects by the Michigan students cover everything from moonrocks and minerals to laser beam holography and heat conservation.

Bendix employees contracted by NASA for the experimental project man a 35-foot bus equipped with satellite transmitting and receiving equipment as well as a portable television studio complete with color cameras, monitors and audio and visual gear.

The bus has an eight-foot, dish-shaped parabolic antenna mounted on its roof and is parked next to Southfield High School.

The CTS satellite, launched in 1976, is a joint venture between the United States and Canadian governments. The world's most powerful communications satellite, according to NASA, the CTS is the first satellite to operate on a new frequency band at power levels 10 to 20 times higher than those of other satellites. The higher broadcast power allows the use of smaller and less-expensive ground receiving equipment in the bus and portable terminals.

EXPERIMENTS will be conducted by students today, Wednesday and Friday at the bus in Southfield and at the Lewis Research Center in Cleveland. When the Michigan students are transmitting their information, the Ohio students will be watching it on television, and vice versa.

Elementary school students from Troy and Berkley are scheduled to do their experiments today. Troy youngsters selected for the scientific exchange program are Robbie Zotnowski, Cliff Galitz, Jon Davies, Dan Hicks and Hugh Bauer.

Zotnowski's project is on the effectiveness of the hovercraft, Galitz will show his model of the Infrared Missile, Bowditch's project is on ovals. Davies will discuss rocks and minerals, Hicks' project explores modern moonrocks and Bauer will look at the world's oil reserves.

From Berkley public schools, Joselyn Alexander is going to tell the kids in Cleveland all about the nature of stars, while George Sivitz will explain how the space shuttle works. Loren Rosenberg will expand on that theme and give future pros for the space shuttle. Janet Bowditch will give a report and Adam Waldman will list the uses of light.

On Wednesday Birmingham and Novi middle school students will go on the air with their science projects. Novi students Sara Murphy, Ron McCoy and Anita Ayrault have designed a science game, Birmingham students Eric Elizekrog, Andy Hautt, Deidre Conway and Curt Ar-

nold did a project called "Michigan on the Move," showing new ideas in scientific experimentation in the state and give Ohio a look at Detroit's riverfront renaissance.

ON FRIDAY Southfield's two high schools, Southfield High and Southfield-Lathrup, will send three representatives each to conduct experiments and communicate with their counterparts in Cleveland.

Southfield High students Robert Kaner, Steven Undy and David Thottungall have done a "comparative study of window insulation" using Southfield High as their subject. Infra-red photographs were taken on cold nights to see how much heat was escaping through the windows when various insulators are used. Temperature readings inside and outside the building were taken.

David Thottungall said their findings showed that windows covered with styrofoam on the inside and a sheet of mylar reflective plastic on the outside were insulated best.

Tutoring seminar set

The second annual Bucket Brigade Tutoring Conference is planned Saturday, April 7, at Mercy Center in Farmington.

This year's conference will focus on working with children to build self-image and confidence. The conference will open with a welcome from Lewis Schulman, superintendent of Farmington Schools.

Featured speakers include Ray McGee, psychologist from the Washburn Child Guidance Center in Minneapolis, Minn.; Gene Watson, educational diagnostician in Virginia; Dr. Karen Urtschak, specialist in the Wayne County Intermediate School District; a

representative from Joy Keith Publications; Jan Drooge, Seattle, Wash.; Dr. Nora Martin, Eastern Michigan University.

Eden Protow, president of the Farmington Board of Education, will be the noon luncheon speaker. There will be 11 simultaneous workshops at 10:30 a.m., 1:45 p.m. and 3:15 p.m. Each session will offer suggestions for working with children in areas of self image, learning readiness, auditory and visual perception and other programs.

Registration fee is \$14 and will be accepted at the door. Price includes lunch and hand-outs.

FINE GIFTS and HALLMARK CARDS

Bon Tom Shoppe

Downtown Farmington Center, Farmington
 6 Mile & Newburg Center, Livonia
 Westland Center, Westland
 Brighton Mall, Brighton
 Renaissance Center, Detroit

McCABE
 funeral home

31950 12 MILE RD., FARMINGTON HILLS, MI.
 Phone: 553-0120

DETROIT LOCATION:
 18570 GRAND RIVER AVE. Phone: 836-3752

Maple Village DISCOUNT DRUG CENTER

FARMINGTON 7270 Farmington 478-6320

BEER WINE CHAMPAGNE

FREE SILVER DOLLAR

MAPLE VILLAGE COUPON

FREE SILVER DOLLAR

MAPLE VILLAGE COUPON

Courteous, Qualified & Confidential

Income Tax Service

Specializing in Individual Tax Returns • Reasonable Rates

Chester J. Darwell

Over 25 Years Experience

33335 GRAND RIVER • AT FARMINGTON FARMINGTON • 478-6360

DO IT YOURSELF OR WE'LL DO IT FOR YOU!

YOUR KITCHEN & BATH IS OUR ONLY BUSINESS

QUALITY WORK-REASONABLE PRICES
 USE OUR NO COST PLAN & DESIGN SERVICE

- VISIT OUR SHOWROOM - RESURFACING OF OLD CABINETS
- OUR BATH BOUTIQUE HAS EVERYTHING - SHOWER CURTAINS, TOWELS, TOILET SEATS, etc.

525-0050

Don't Overlook Deductions!

If you itemize, make sure you take all your deductions. Check your tax instructions carefully.

Internal Revenue Service

SINGING LESSONS

Classical & Popular

call Leslye Sklar 352-2938

KEPLEY'S KITCHEN & BATH SHOP 2784 FORD ROAD GARDEN CITY

525-0050

Low-cost hardwood flooring you install yourself

Remodel with Bruce glue-down Cumberland® Oak Parquet.

Genuine oak flooring you glue in adhesive right over your old floor—wood, tile or concrete. Easy-care parquet with in-wood prefinishing for lasting good looks. Has the look of expensive inlaid flooring, but at a fraction of the cost. Great remodeling idea for any room. Choice of three shade/finish combinations.

ONLY \$229 Sq. Ft. CARPET • HARDWOOD CERAMIC TILE NO-WAX VINYL FLOORS FREE ESTIMATES 474-1144

METRO FLOOR COVERING CONTRACTORS, INC. 3210 W. 8 MILE FARMINGTON, MI.

Meet Easter Bunnies

Come To Our GRAND BIRTH PARTY!

Sat. & Sun. April 7th & 8th

Refreshments 10:00 a.m. to 6 p.m.

The children's bookshop

29791 Northwestern Hwy. at Inskter Applegate Square 354-4741

PORCH & PATIO ENCLOSURES

Beat Inflation!

Offer Expires June 30, 1979

10'x10' SCREENED ENCLOSURE and Awning

\$99500 Installed

We'll Custom Design, Install, Service, and Guarantee All of our Products. DEAL DIRECT with THE OWNER and SAVE! 22 Years in Business

Replacement Windows

- Baked Aluminum
- Vinyl
- 1" Thermopane Insulated Glass

Ask about our ALUMINUM SIDING SAVINGS!

278-4577 Better Home IMPROVEMENT CO. License No. 33569 Dearborn, Mi.

THIS AD PAID FOR BY LAST WEEK'S 4000 SATISFIED CUSTOMERS AND ONE GROUCH

THE BUGGY WORKS RESTAURANT

13 Mile & Orchard Lake Road Farmington Hills, Mich.

10 REASONS TO BUY StrideRite THIS HOLIDAY SEASON

Grey Shoes has Stride Rite®

- Stride Rite® makes Dress Sandals
- Stride Rite® makes Play Sandals
- Stride Rite® makes Dress Shoes
- Stride Rite® makes Play Shoes
- Zips are by Stride Rite®
- Stride Rite® makes many styles
- Stride Rite® makes many colors
- Stride Rite® makes many sizes
- Kids love Stride Rite®

Greg SHOES

BEL-AIR CENTER 10 MILE AT ORCHARD LK. FARMINGTON 477-2343

ORCHARD MALL ORCHARD LK. N. OF MAPLE W. BLOOMFIELD • 851-5566 SUN 12-5

"PRESCRIPTION FITTING IS OUR SPECIALTY"

At last! An attractive and lifesaving 14K gold

Medic Alert Tag

Now only **49⁹⁵** without chain

Your life is as good as gold. Protect it by wearing a Medic Alert Tag engraved on the back with the appropriate lifesaving message. Practical, yet fashionable, it is designed in 14K yellow gold and available exclusively at Tapper's.

drawing enlarged to show detail actual size: 5/8" x 1-1/8" h

MAIL ORDER - PLEASE ALLOW 4 WEEKS FOR DELIVERY

send to **Tapper's jewelry** 26400 W. 12 Mile Rd. Southfield, MI. 48034

Please send me _____ 14K gold Medic Alert Tags @ \$49.95 ea. Michigan residents add 1/2 sales tax. Plus shipping and insurance total charged or enclosed

Please print your mailing label clearly: name _____ address _____ city, state, zip _____

Check or money order enclosed.

PLYMOUTH NURSERY

COMPLETE GARDEN CENTER
 QUALITY NURSERY STOCK
 DESIGNING AND PLANTING

Whether it's just a single tree or a detailed landscape job, Plymouth Nursery has a complete selection of nursery stock on 16 acres. Our skilled designers can draw a unique landscape plan to complement your home. Just bring in your title survey or a picture.

For Example:

THIS IS A 45' BI-LEVEL ON A 60' LOT WITH THE FOLLOWING PLANT MATERIALS

3 Clatena Plum	each \$8.95	2 Citation Yew	\$22.95
3 Procumbens Junipers	\$9.95	1 Linden	\$19.95
1 Bayberry	\$8.95	1 Mountain Ash	\$35.00
3 Dwarf Cranberry	\$7.95	20 Plants	Subtotal \$248.15
2 Cranberry Cotoneaster	\$8.95		Tax 9.93
4 Sun Spot Euonymus	\$9.95		Total \$258.08

PLYMOUTH NURSERY THE PROFESSIONAL ALTERNATIVE

9900 ANN ARBOR - PLYMOUTH RD. (M14) 7 MILES EAST OF U.S. 23, 5 MILES WEST OF SHELDON

OPEN DAILY 9-6 SUNDAY 10-6 ph. 453-5500