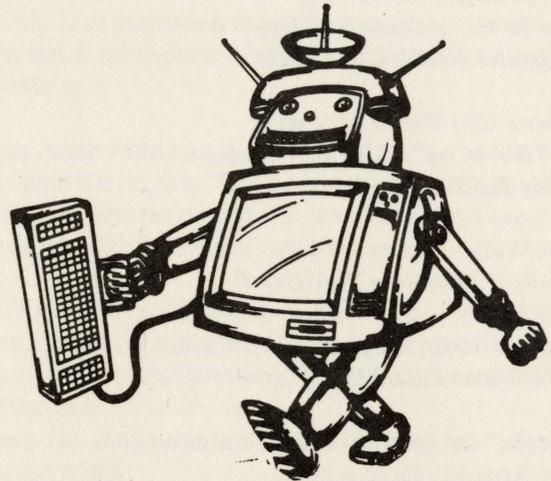


TECHFEST

**WELCOME TO A
FESTIVAL OF FUN
IN THE WONDERFUL
WORLD OF TECHNOLOGY!**

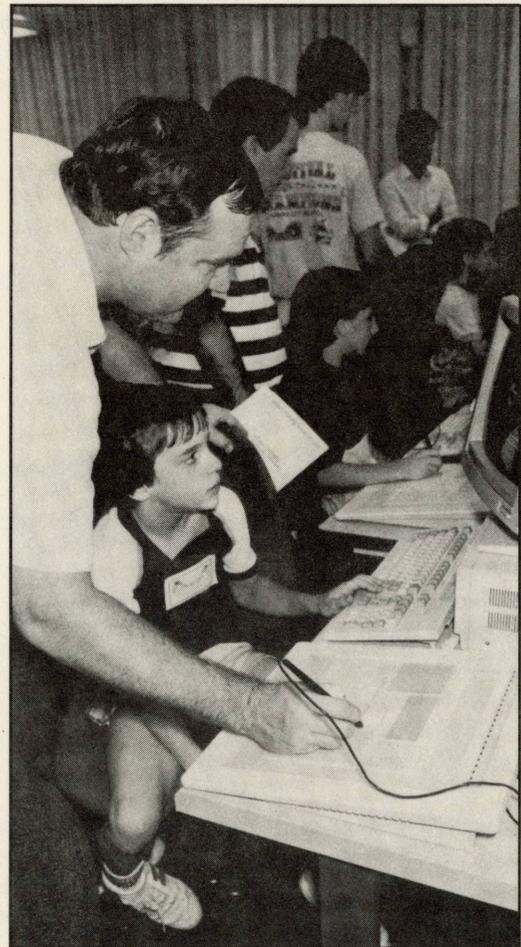


SATURDAY, APRIL 27, 1991

10 a.m. - 4 p.m.

Southern College of Technology

- * Guest exhibitors
- * Displays and demonstrations
- * Hands-on games and graphics
- * Entertainment, food and fun



WELCOME TO TECHFEST '91 !

Enjoy TECHFEST

Entertainment, Food and Fun

From 10 a.m. - 4 p.m.

RE/MAX Hot Air Balloon - 10 a.m. - 12 noon
Rides (weather permitting)
Lower Level, between Building K and
the Apparel and Textile Center

Marietta City Police Explorers
with "RoboCop" - 10 a.m. - 4 p.m.
Outside Building D

Moon Walk - 10 a.m. - 4 p.m.
In front of Bookstore, Building F

Country Classic Cloggers - 10:15 a.m. - 11 a.m.
On the Upper Level Mall

"Murph," the wandering physical comedian - 11 a.m. - 2 p.m.
Stage Area 12 - 12:30 p.m.

Sportslife Energy Force Team - 11 a.m. and 11:45 a.m.
Stage Area

Stars of Atlanta - 11:15 - 11:45 a.m.
Stage Area

"Power 99", WAPW - 12 noon - 3 p.m.
Flagpole Circle, Upper Level

Dixie Racing Club's Radio-Controlled cars
Race: 1 - 2 p.m., Practices: Morning
Lower Level Parking Lot
(Across the street from Building K)

International Student Association Festival
Upper Level, Mall and Stage
(Rain location: Student Center, Building A, Ballroom A)

Exhibits: 10 a.m. - 4 p.m.
International Luncheon Buffet: 12 noon
Entertainment: 1 - 4 p.m., Stage area
* Chinese Dance Ensemble
* Middle East Band and Belly Dancer
* International magician
* Colombian Folkloric Dances
* Indian Classical Dances
* International potpourri

Visit Southern Tech's student "gourmets" throughout
the campus with selections of hot dogs, popcorn, barbeque
chicken, sodas, pastries and candies. Your chefs are: Tau
Kappa Epsilon, Lambda Chi Alpha, Diplomats, National
Organization of Minority Architects, Residents Hall
Association and Southern Tech Society of Black Engineers.

STUDENT CENTER BUILDING A

ArchiTechfest Displays

An array of professional architectural company designs from
local firms, with an emphasis on those which employ Southern
Tech alumni. (Student Center, Building A, Ballroom B & C)
Panels courtesy of Freeman Decorating Company.

BUILDING D

Graphics and Games

Create pictures, beat yourself at solitaire and tic-tac-toe or
become more serious and teach your friendly computer counter-
part to perform new tasks. (Building D, room 125, ACS Lab)

Mobile Movies

The Panasonic mobile television facility demonstrates the latest
in cameras, editing equipment and other TV components.
(Outside Building D)

BUILDING E

Physics and Chemistry Shine

See Southern Tech's new laboratories and view the kind of
experiments being done by students today so that they can
handle the technology of the future. Visit our superconducting
train and, while you're there, see how high temperature super-
conductors are made. (Building E, second floor)

Computer Integrated Manufacturing

The world of IBM computer integrated manufacturing is shown
by demonstrations in computer-aided design and computer
numerical control. (IBM CIM Center, Building E, lower level)

BUILDING G

Move into Milling

Circuit board milling has significantly quickened the process of
making circuit board prototypes and, even better, has eliminated
the unpleasantness of the old chemical process. (Building G,
room 215)

Software for Electronics

Electronic computer-aided design packages are bringing
electronic design and circuit board layout into the future.
(Building G, room 176)

BURRUSS ACADEMIC BUILDING H

All Aboard

Your old model train set was never like this. See "real time
computer programming" working as a train conductor for this
model railroad system of the 90's. It's an example of how
computers are used in systems like MARTA and how computer
software can monitor and control physical devices. (Burruss,
Building H, room 4212)

Hospital of the Future

This prototype of a medical information bus connects several
hospital instruments into one computer for monitoring and
diagnostic purposes. (Burruss, Building H, room 4212)

Play Ball

Attend a most unusual ballgame, where two computers are the
players in a fascinating example of how graphics and networking
can be used as partners. (Burruss, Building H room 4212)

"Test Drive" a PC

In one of the most informal "classes" you've ever had, demon-
strations will be held on what various applications can do on an
IBM PC. Feel free to ask questions and take a trial run on ma-
chines which are available for you. (Burruss, Building H,
room 4211)

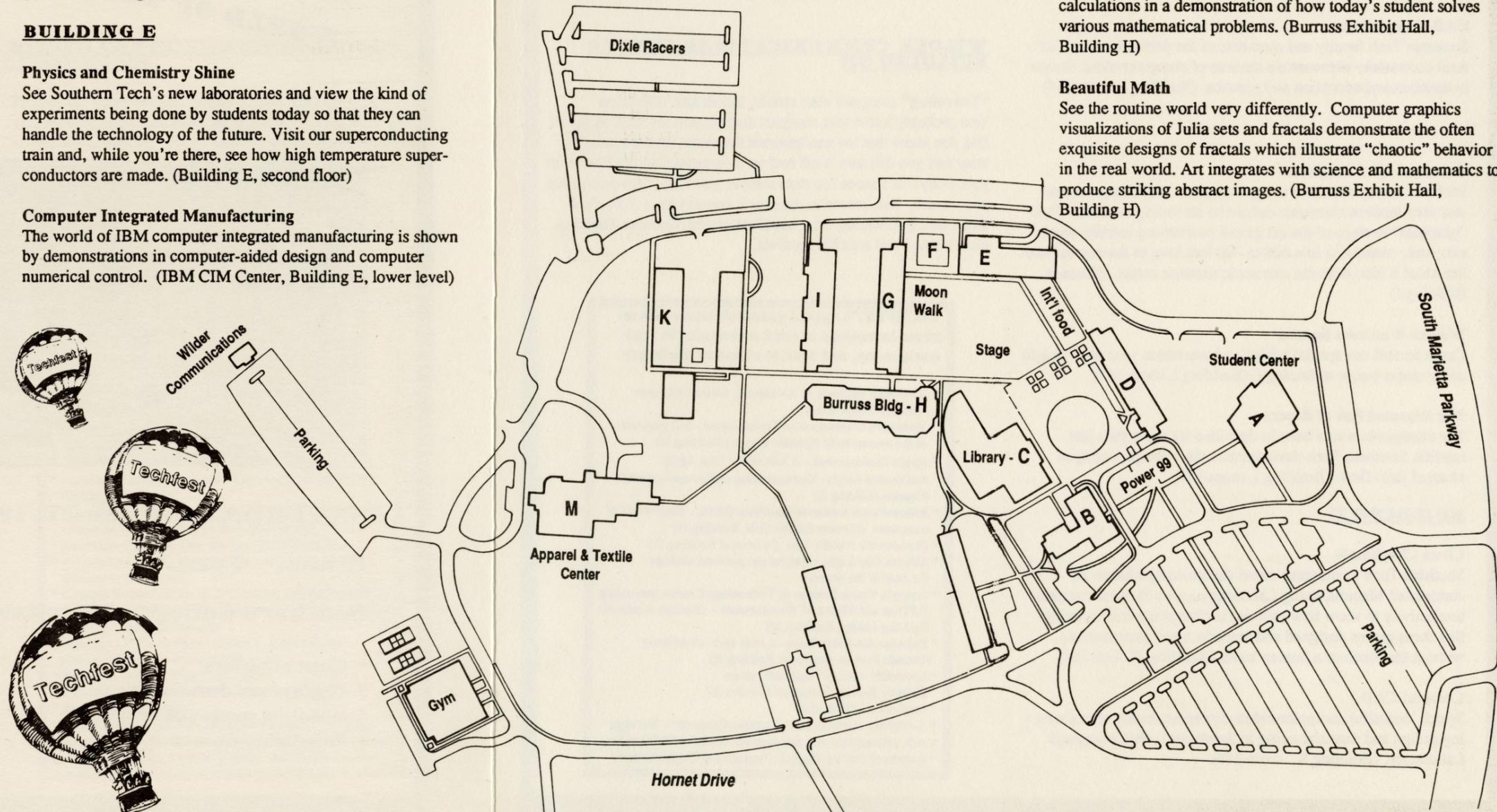
Solving Math Madness

Understand the popular "instant insanity" puzzles by seeing the
solutions as directed by methods from the field of graph theory.
(Burruss Exhibit Hall, Building H)

The Casio graphing calculator simplifies once very tedious
calculations in a demonstration of how today's student solves
various mathematical problems. (Burruss Exhibit Hall,
Building H)

Beautiful Math

See the routine world very differently. Computer graphics
visualizations of Julia sets and fractals demonstrate the often
exquisite designs of fractals which illustrate "chaotic" behavior
in the real world. Art integrates with science and mathematics to
produce striking abstract images. (Burruss Exhibit Hall,
Building H)



Georgia Youth Science & Technology Center
Presenting SciTrek's "Everyone is You and Me" and the
"Bernoulli Blower" and also introducing the World of
Wonderment (Burruss Lobby, Building H)

BUILDING I

Young Architects

Visit KinderCity where children become city planners by getting into the handy work of designing and building structures for a fictional city. *Sponsored by Dick Blick Art Materials.* (Outside of Building I)

Olympic Fever Film:

The Atlanta Olympic Organizing Committee used high-tech computer graphics to bring our city alive in video form, and it helped win Atlanta the 1996 Olympics. See the exciting AOC video that did it. (Building I, room 234)

CAD Components:

Southern Tech faculty and members of the professional architectural community demonstrate the role of computer-aided design in architectural education and practice. (Building I, room 234)

Become a Civil Engineer

Perform survey exercises using a restored 19th century transit and very modern computer-enhanced surveying stations. Then "graduate" to state-of-the-art global positioning satellite receivers. And, measure a line 600 to 700 feet long to the nearest hundredth of a foot, with the electronic distance meter. (Outside Building I)

Weight-Watchers Special

Come aboard our special bridge and determine your own weight using strain-gauge technology. (Building I, room 147)

The Rise and Fall of Rivers

The changes in rivers have to do with a lot more than just rainfall. Southern Tech demonstrates the principles of open channel fluid flow. (Building I, room 147)

BUILDING K

Chess Checkmate

Southern Tech's computer-aided design equipment in the Automated Manufacturing Laboratory uses a favorite competitive activity to show how robotics is changing manufacturing. See chess pieces designed and manufactured automatically, without the touch of a human hand. (Building K, Lab 188)

Colorful CAD

Watch beautiful computer-aided-design examples of engineering design and manufacturing in Southern Tech's Intergraph Laboratory. (Building K, room 186)

W. CLAIR HARRIS APPAREL AND TEXTILE CENTER BUILDING M

Winners

Cobb County district students who competed in the Georgia Science and Engineering Fair Competition, display their award-winning creativity. (Foyer)

Apparel and Textile Innovation:

Computer-aided design and manufacturing is revolutionizing the apparel and textile industries. Color, style, fabric and patterns change before your eyes at the touch of a computer keyboard. Watch design become reality in the world of computer-enhanced, automated apparel production. See the latest in automated textile testing and manufacturing. Watch a carpet automatically produced from spools of yarn. It's all computer integrated manufacturing in action. CIM network-linked computers communicate with each other to put clothes on your back and carpet under your feet.

WILDER COMMUNICATIONS CENTER BUILDING SM

"Traveling" compact disc music, lasers and television

You probably know that compact disc players are read by lasers. Did you know that we can transmit the music across rooms by laser and you can turn it off and on by interrupting the flow with your body? It's more fun than remote controlled television from your couch. But, return to the couch concept for a T.V. show that's being picked up from satellites by the Southern Tech big dish antenna and satellite receiver.

TECHFEST's special guest exhibitors demonstrate technology at work and at play in your world today, and what to expect in the future.

- * American Institute of Architects, Atlanta Chapter (Student Center B & C)
- * Animated Mathematical Technologies - 3-D graphics of the human body (Outside Burruss Building H)
- * Apple Incorporated - A bite of this "Big Apple"
- * Automated Logic - Demonstrating energy management (Outside Building D)
- * International Business Machines (IBM) - Their world of computers (Burruss Exhibit Hall, Building H)
- * Panasonic's Mobile Van (In front of Building D)
- * Atlanta Gas Light - Natural gas powered vehicles (In front of the library)
- * Georgia Youth Science & Technology Center, presenting SciTrek and World of Wonderment - (Burruss Academic Building Lobby, Building H)
- * Dobbins Air Force Base - A visit with our military (Outside Burruss Academic Building H)
- * Sportslife - Get in "high tech" shape (Outside Burruss Academic Building H)
- * Southwire - "Robotics"
- * Lockheed Aeronautical Systems Company - The high tech test bed data van, and displays of the L-100-20 and the Advanced Tactical Fighter. (Apparel and Textile Center)