

**STC Systems Joins Ultimacc**  
 STC Systems, Inc. moves to new headquarters it will share with newest STC subsidiary - Ultimacc Business Systems, Inc.  
 pages 2 & 3

**Get Ahead With COP**  
 The Career Opportunity Program offers qualified full-time, permanent STC employees the chance to move ahead.  
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**Inaccuracy Not Tolerated**  
 Metrology helps STC live up to its high standards of performance. These folks are calibrated for accuracy.  
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# NEWS



A publication for the employees of Storage Technology Corporation

Volume 3, Number 5

March 5, 1982

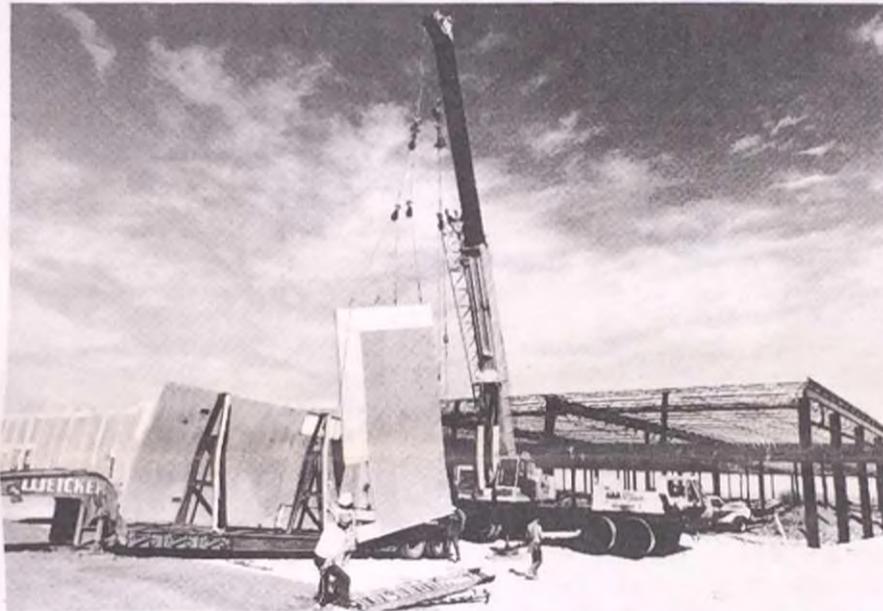
## STC Progress Report: Lsvl 9, Longmont Construction on Schedule

Both the Lsvl 9 and new Longmont facility under construction are proceeding on schedule, according to the STC new construction department.

Both buildings share some similarities in construction, but are not totally identical. They both are built on caissons drilled into bedrock. The concrete flooring will be poured later in the construction. Both will use the same type of wall panels for their exteriors, pre-cast exposed aggregate wall panels.

Lsvl 9, however, is slated for fast-track construction to ready it for occupancy quickly. Plans call for beginning moves into the building to start move-in around June 1. It's a single-story structure that will total 160,000 square feet.

At the time of writing, the steel frame construction for Lsvl 9 was



Lsvl 9



Longmont

structure. This building has been designed with a removable wall to permit future expansion to the west.

The Longmont project is proceeding under the supervision of engineer Tim Triggs.

The progress of both construction projects has gone as scheduled throughout the winter months. The unusually mild weather on the Colorado front range and weekend construction work over the past several weeks helped to contribute to this on-time status.

It's not time yet for disk and tape personnel to start packing for their relocation, but it's good to know their new facilities are proceeding so well.

### STC Documentation Ready to Grow

STC Documentation, our Florida subsidiary, also is prepared to meet future growth needs.

Late last year, it purchased a 100,000 square foot manufacturing warehouse facility at 335 Kirby Lane, adjacent to its current Palm Bay plant. This acquisition increases the manufacturing, assembly, and warehousing facilities at Palm Bay by 50%.

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For other stories on STC facilities changes, see "STC Systems Moves" on page 2, and "STC Forms Ultimacc Business Systems Subsidiary" on page 3.

complete and about 25% of the wall panels for the exterior were in place. The roof already is under construction. With this type of construction, the exterior walls and roof are finished and the building closed in before interior work proceeds.

Rod MacAskill is the project engineer for this latest addition to the Louisville headquarters complex.

Longmont's first structure, primarily a two-story building totalling 540,000 square feet, also is on schedule, with initial moves slated to begin in November, 1982.

This building, however, is a pre-cast concrete structure that will project out of the hillside on the Longmont property. It has poured foundation walls, which already are complete. The two-story section of the structure will enclose a total of 132 bays, measuring 50 by 35 feet each. Latest reports state that 18 of these bays on the first and second floors already are done.

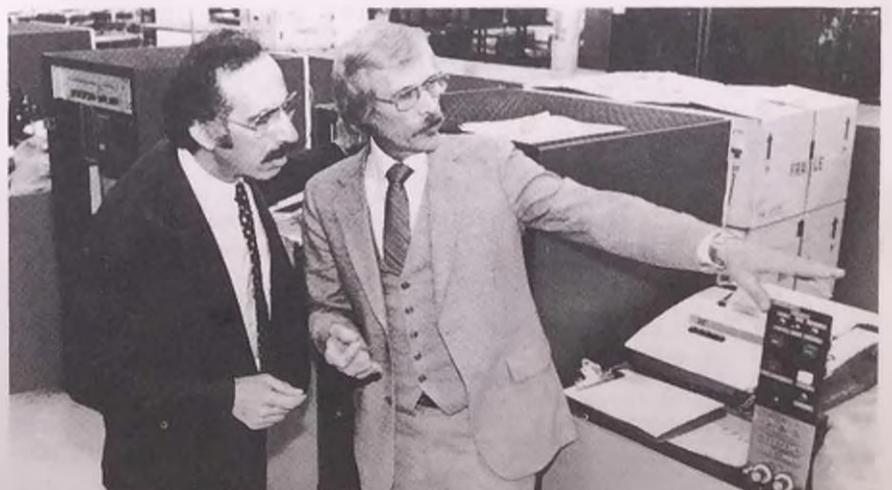
An additional single-story section of the building (known as building D) also will contribute to the total available work area in the finished

## VIP Honored for Major Savings

There was a highly unusual VIP 'mugging' recently in the Burbank and Compton building area in Broomfield. STC President Jesse I. Aweida visited the complex specifically to 'mug' long-time FE employee and new VIP Art Gercken.

Art is manager of quality for re-manufacturing, an area that is a dynamic part of STC's success story in value improvement. Although Art will celebrate his 11th anniversary with STC in April, his tenure was not Jesse's primary consideration in choosing to 'mug' him personally. Art is the proud originator of two ideas totalling over \$560,000 in implemented savings to STC. So Jesse chose to personally award Art his VIP mug and VIP address

*continued on page 2*



Arthur Gercken, (right) manager of quality in re-manufacturing, shows President Jesse Aweida how his VIP idea to convert 8000-1 disk control units to 8000-2 disk control units for test stations is progressing. The sale of the units previously in test stations will enable STC to realize a saving of \$387,543.

# STC Systems, Inc. Moves

## Ultimacc to Share New Site

On Mar. 8, after 10 years at its present location in Maywood, N.J., STC Systems, Inc. will shift its base of operations to a larger facility in Waldwick, N.J., 10 miles north. The new offices, which contain 26,000 square feet of space, compared to 14,000 in the old location, also will house the headquarters for STC's newest subsidiary, Ultimacc Business Systems, Inc.

The move will not cause any disruption in service to STC Systems' customers or to people wishing to call from Colorado, according to Dick Palmiotto, manager of administrative services at STC Systems.

"We will be moving from Thursday evening, Mar. 4, through Sunday, Mar. 7," he said. "But anyone will be able to reach us at our old number, (201) 845-0500, on Friday and at our new number on Monday."

"The hardware and systems will be taken down on Friday at our old



The new home of STC Systems, Inc. and Ultimacc Business Systems in Waldwick, N.J. receives final touches from workmen before the move, slated for Mar. 4-7.

location, and re-installed at our new location on Saturday and Sunday," reports Frank Rao, district manager of field engineering, who is coordinating the move. "The communications center, field service, and support people will be at the old location until 6 p.m. EST Friday."

The new address is 4 North Street, Waldwick, N.J. 07463. The new telephone number is (201) 445-5050.

Management at STC Systems believes that the move is a significant step in the company's growth.

"With the transfer from our present quarters, which have become increasingly cramped, we will have the space needed to handle our enlarged operations," said Frank Biamonte, president of STC Systems. "We will be able to both service our customers in the northeast, plus coordinate our offices in Chicago and Atlanta as we pursue our plan to establish ourselves nationwide."



STC Systems' move was necessary as it outgrew its offices in Maywood, N.J. which it had occupied for 10 years.

"Our products have developed a reputation for quality in such varied areas as publishing, distribution, and personnel management," Frank continued. "We expect to be able to maintain the excellence of our current product line, while expanding into additional industries which demand comprehensive high-performance business systems at a moderate price."

## VIP Honored

continued from page 1

book to recognize his significant contribution to STC.

At the time his ideas were accepted, Art alone had 25% of all implemented dollar savings within VIP worldwide. Other remanufacturing ideas, both large and small have added up to more than \$820,000 in implemented savings.

Art's first idea saved STC over \$385,000 and was the first successful adaptation of an 8000-1 disk control unit (DCU) to an 8000-2. Art developed the process that included rewiring the motherboard voltage distribution which, when coupled with changes to several cards, allowed utilization of the existing power supply and motherboard. This created all the electrical characteristics of the 8000-2 DCU.

The new 8000-2 conversions were sent to unit test, replacing newly built 8000-2 DCUs. The new devices which came out of unit test were released to marketing and are being sold or leased, hence the savings.

Although the idea seems simple enough, it had never been possible to convert these units before, even though a method existed to convert 8000-1 to 8000-3. Art's years of

technical experience with FE made the difference in this project.

Art first was hired as an FE tech specialist on April 21, 1971. He reported to Rob Reiner and worked in New Jersey. By the end of the year, he had become a field technical manager. By August, 1975, he was promoted to midwest regional manager, based in Elk Grove Village, Ill. The following May he again was promoted, this time to product support manager, which brought him to Colorado, reporting to Cliff Moss. In June, 1977, Art began reporting to Howard Derby as manager of technical operations. Then, in May, 1981, he assumed his present post, in which he reports to Don Martella.

Don credits Art's extensive FE technical background and dedication as contributing to his ability to see solutions, approaches, and systems that other people might overlook.

Art's second idea is similar to his first. He developed a process to convert the 3803 tape control unit (TCU) to the 3804 TCU. Although the idea originally was evaluated as saving more than \$175,000, it now appears that a re-evaluation will be needed, and that the final savings to STC will exceed \$250,000.

A spin-off of this idea is the in-house rework of Mod-4 motherboards, many of which were scheduled for scrap.

Art is involved in other projects now, and no one in remanufacturing will be surprised to see more ideas in the future. Jesse's first personal 'mugging' of an STC employee recognizes Art's individual effort and remanufacturing's total commitment to cost reduction.

Remanufacturing Manager Don Martella proves the point that managers make the difference in a successful idea system. He encourages each of his managers continually to look for cost reduction and asks each one for specific

objectives for value improvement within the formal MBO program.

Currently, remanufacturing occupies over 125,000 square feet of space and employs 275 people. In the last 12 months, they have seen tremendous changes in their operation. STC's salvage operation now is in full swing, and already is a profit center. Subassembly operations have grown significantly, with over 100 subassemblies now being rebuilt. These include power systems, air systems, hubs, motors, and much more.

In November, 1980, disk was added to tape remanufacture and the past year saw the first 1950 rebuilt. This month will see the addition of printer subassembly remanufacture to Colorado operations. The rework and testing of our external tape and disk cables is a major project.

A recurring theme in remanufacturing is the elimination of outside vendor work, replacing it with less expensive in-house remanufacture. With VIP Art doing his part, it's clear that the entire remanufacturing team aims to live up to its motto, "Remanufacturing strives for pride".



Frank Biamonte, president of STC Systems

## Don't Waste Time

Make efficient use of your phone time. Don't let people put you on hold indefinitely. Offer to leave your name and number instead.

## Part Number Inquiries

As the result of a VIP idea, the buyer/part number relationship now is available to all users of DEC blue terminals. This new program will eliminate the need for extensive phone calls to identify the person responsible for any given part.

All employees having access to the DEC blue system through a terminal will be able to use the program. It's simple and can be reached by using this procedure:

Enter: LOG 2500, 1104  
Password: PRTINQ

The above commands are the only ones needed.

The first terminal will show the date and time. The second terminal

will read: Forming Tables... The third terminal will read: Enter Part Number. Enter the part number and the terminal will read:

- The commodity code
- The buyer's name
- The manager's name.

The information displayed will be based on current PIF status. The program will be expanded to include the E.C. level and the rev. letter. The accuracy is governed by the PIF. It will show the area of responsibility, advanced manufacturing, pre-production, buyer, in-house assembly, etc. This program is a time-saver; use it.

## NEWS



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# STC Forms Ultimacc Business Systems Subsidiary

On Tuesday, Feb. 23, Storage Technology Corporation announced the formation of a new subsidiary which will supply the rapidly growing small business market with total turnkey software application systems that are software compatible with IBM 370/43XX systems.

The new subsidiary is called Ultimacc Business Systems, Inc. It will report to Charles J. Siefert, a corporate executive vice president of

Storage Technology. Mr. Siefert is board chairman of Ultimacc Business Systems, Inc. Its president is George J. Pilmanis, who was formerly vice president of corporate services at Storage Technology. Storage Technology's existing subsidiary, STC Systems, Inc., with Frank M. Biamonte as its president, will report to Mr. Pilmanis and will continue to market its current line of non-IBM software compatible



George Pilmanis

systems.

Commenting about the establishment of Ultimacc Business Systems, Inc., Jesse Aweida, chairman and president of STC, said "We view the introduction of IBM software compatibility as a logical extension to our current high-quality turnkey mini-computer based business systems. STC Systems, Inc., has over 300 successful turnkey systems installed in the distribution industry, and we expect to capitalize on our capabilities and experience in this area. STC peripherals will be integrated into the new systems offerings."

## Management News

### Tony DeQuinque Promoted to Divisional Vice President

Anthony J. (Tony) DeQuinque is divisional vice president of manufacturing for optical storage operations. The announcement was made recently by Juan Rodriguez, corporate vice president of optical disk, to whom Tony reports.

Tony, who most recently was manager of assembly and test operations, printed wiring boards, disk-systems division, has been at STC since October, 1977. He joined the company to manage the same function for both tape and disk. After a brief period as manager for the 2700 program, Tony returned to Broomfield to assume management of PWB assembly and test for disk-systems.

A native of Philadelphia, Pa., Tony studied mechanical engineering at Temple University before going to work for Research/Development and Manufacturing in Philadelphia. Since then he has taken numerous engineering and management courses through the American Society of Engineers and the American Management Association. At RDM, he rose to manager of manufacturing before accepting a similar position with Control Data Corp., in Valley Forge, where he worked more closely in the engineering and manufacturing needed to produce various data storage and related products.

After three years at CDC, Tony moved to Computer Peripherals, Inc., a subsidiary of CDC in Rochester, Mich. His experience broadened rapidly, as he advanced from manager of product quality assurance to manager of cost accounting to manager of product engineering and, finally, to director of manufacturing, where he was responsible for printer production.

Tony, who came to work at Storage Technology after leaving CPI, is openly enthusiastic about it and its potential. He's seen the company grow rapidly in his nearly five years here, and obviously is convinced its future will be equally dynamic and exciting.

Tony and his wife, June, whom he met and married in Rochester, moved to the Denver area when he joined STC. They now live in Westminster, where he bowls regularly.

Tony, a formerly avid football and baseball player, now is a similarly ardent fan. Together, he and his wife enjoy gourmet cooking, and



Tony DeQuinque

they indulge at a once-a-month gourmet club to which they belong. Tony's cooking specialty (naturally) is Italian food.

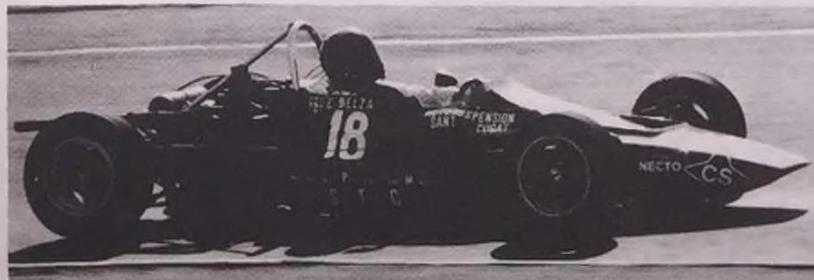
They have four children -- Edward, Kathy, Rod, and Brian -- all of whom are married.

Congratulations, Tony! We're glad your talents and experience will help us grow in the optical storage area.

### STC Moves Fast in Spain

Storage Technology Corporation, represented in Spain by International Peripherals and Memories, has a fast-moving field engineer promoting both STC and the Spanish distributor in that country.

FE Enrique Belza participated in the finals of the Spanish National Championship Formula Seat in the Jarama circuit in Madrid. He has raced in his spare time for the past



Enrique Belza, STC FE in Spain, takes a run around the track in his new car, decorated with promotions for STC and our Spanish distributor.

## Benefits

### COP: Your Chance to Advance at STC

COP -- the career opportunity program at STC -- has given many employees the chance to move into positions that advance their careers. This year, there are a few changes in the program. Basically, here is how the revised program works.

Open positions are posted on bulletin boards throughout the company. Positions of grade level E12 and above are not posted.

To bid for a job, one must have a performance rating of at least "fully satisfactory" on one's current job, and must have been working in that position long enough to bid out. The time requirements vary with job level.

#### Nonexempt

- Nine (9) months for positions grades 1 through 5 (this is a change)
- Twelve (12) months for positions grade 6 through 8
- Eighteen (18) months for positions grade 9 and above.

#### Exempt

- Eighteen (18) months for positions level 1 through 8
- Twenty-four (24) months for level 9 and above.

If one receives a promotion within a generic job progression, the time-in-job requirements are different. A generic job progression is a promotion within the same job family (e.g., assembler I to assembler II, planner to senior planner). One then must fulfill whichever of the following is greatest for the time-in-job requirement to be eligible to bid for an open position:

1. Spend the remainder of the time-in-job requirement for the initial job in the generic progression job.
2. Six months.
3. 50% of the time-in-job requirement for the new grade level.

To be considered for a job, fill out a career opportunity application form available from HR reps. A change in the program now requires the signature of one's manager on the form before submitting it to the COP desk at employment in Lsvl 3 (MD 29). Applicants will be contacted by employment to inform them whether or not they have been selected for interviews.

## Letter to the Editor

To my friends at STC: It really helps when you lose someone and know there are many friends who understand and care. Because you cared, it gave us strength and courage. Our sincere thanks for the many cards, letters, flowers, and contributions. We thank you also for all your love, support, and prayers.

Sharon R. Duran and family  
*Editor's note: Sharon, who works in disk-systems at Louisville, lost her fireman husband recently in a tragic fire in Boulder.*

# RECREATION ASSOCIATION

STC News, March 5, 1982

## Club News

### Ski Club



Alpine spring skiing is here! Get out and enjoy the excellent snow conditions, while getting a few rays, with the STC Ski Club. Upcoming trips and prices are:

#### Day Trips

Mar. 7	Copper Mountain	\$23
Mar. 20	Winter Park	\$20

#### Overnight Trips

Mar. 26-28	Crested Butte	\$97
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Sign up at the Rec Center, Monday through Friday, 7:30 to 9 a.m., 11:30 a.m. to 1 p.m., and 3:30 to 5:30 p.m.

Efforts are under way to add another bus for the Crested Butte trip. Reserve a spot now at the Rec Center. Crested Butte is the ultimate in spring skiing.

### Cross Country

The STC Ski Club is pleased to announce an excellent cross country ski trip. It is scheduled for Mar. 20 at Devil's Thumb Ranch. Price of the trip is \$15, which includes transportation to and from Devil's Thumb Ranch, trail fee, instructed touring, and use of the sauna and jacuzzi at the area.

Tours will be divided according to ability, so this is a good opportunity for skiers of all abilities to sharpen their skills. If you've never been on cross country skis, this will be a good time to start. Rentals are available at Devil's Thumb Ranch for \$6. Sign up now at the Rec Center!



Cross country skiing is the best way to sightsee in the snow-covered high country, while getting some healthy exercise.

### Spring Membership Special

Effective immediately, all STC employees interested in joining the STC Ski Club may take advantage of this outstanding spring membership special. For \$6 (\$5 with a rec card), individuals may join the Ski Club for the balance of the season. Associate memberships are only \$13. There's lots of good skiing left in the high country this spring. Let's all enjoy it!

### Chess Club



The annual STC Chess Championship Tournament will be held Saturday, Mar. 28, beginning at 8:30 a.m. in the Lsvl 2 cafeteria. It will be a four-round non-elimination event. There will be more than \$100 in prizes, including prizes for the best unrated player, best woman player, and best player under 18. Yes, dependents and spouses are eligible. The entry fee is only \$3. This will be fun for all!

Sharpen your game during lunch at either Lsvl 2A, in the Vall conference room, or in Lsvl 5 behind the purchasing lobby. Also, there is a monthly Chess Club meeting at 5:15 p.m. on the first Thursday of the month in the Lsvl 4 cafeteria. Membership in the club is free, and members receive the club newsletter, access to the club library, and other benefits. For more information, call Earl Wilkins, ext. 4266.

### STCRA Club Council

Elections for the club council board were held at the meeting of the council on Feb. 10. Ed Woosley remains president and Diane Johnson is the new secretary. Any clubs

that have not sent a list of current officers, including name, office, extension, and mail drop, to the council, please send them either to Diane, MD X6, or Ed, MD 93.

### Soccer Club



Soccer season is upon us again. Besides the recreational coed league organized by the Soccer Club, STC is represented by a competitive team in the Boulder competitive soccer league.

There are two levels of play in this league: "AA" and "A" divisions. The "AA" division plays on Sundays and usually one night in the week. The "A" division plays its games on Sundays only. The team is very enthusiastic about the new season and is looking for new players. Registration of teams in Boulder must be completed by Mar. 25. League play begins near the end of April.

Anyone interested in playing "AA" or "A" soccer, or wanting answers to more questions, please contact Randy Shay, ext. 3690, as soon as possible. Organization already is under way.

### Golf Club



There will be a meeting at noon Mar. 10 in the Aspen conference room, Lsvl 2A, for all STC employees interested in playing in the STC 1982 golf league. Golf league rules and bylaws will be discussed, and league secretaries will be elected. Courses available for the 1982 season are: Adams County, Lake Arbor, Lake Valley, and Twin Peaks

in Longmont. Anyone who has questions or who is interested but cannot attend the meeting, please call one of the 1982 officers:

Larry Berube - president - ext. 5646 (MD N4)  
Steve Kaufman - treasurer - ext. 3428 (MD E4)

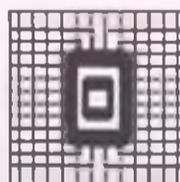
### Sportsman's Club



The STC Sportsman's Club will meet at 5 p.m. Mar. 10 in the Aspen conference room in Lsvl 2A. The meeting will be highlighted by a movie, "Firearms Responsibility". Trap league teams will be formed at this time, so all interested should attend. Don't forget the wilderness survival seminar starting at 7 p.m. Monday, Mar. 8, in the Aspen

conference room. Call Lloyd Fisher at ext. 3742 for last chance reservations. Think trap and attend our meetings!

### Microcomputer Club



The STC Microcomputer Club has announced its newly-elected officers. They are:

Peter Glanz	President	Rick Kelly	Treasurer
Ed Kurcab	Vice President	Jerry Dallmann	Librarian
James L. Dalley	Secretary		

Are you looking for an affordable home computer? Come to the microcomputer meeting at 5 p.m. Monday, Mar. 8 in the Aspen conference room in Lsvl 2A. Ed Kurcab will demonstrate and discuss his Sinclair ZX-81 computer, costing \$99 in kit form.

If you want a lot of bang for the buck, don't miss the microcomputer meeting at noon on Tuesday, Mar. 23, in the Aspen conference room. Michael Mendocha of Westek will demonstrate a new computer board containing a 68000 microprocessor, 32K bytes of RAM, on board ROM, two RS-232 communications ports, a printer port, cassette tape interface, and a wire wrap extension area; all for less than \$500.



New officers of the Microcomputer Club include (from left): Jerry Dallmann, librarian; Ed Kurcab, vice president; Jim Dalley, secretary; and Peter Glanz, president. Treasurer Rick Kelly was not present when the picture was taken.

## STCRA Area Representatives

Question: What is an area representative? Answer: An area representative is a direct link between the STC Recreation Association planning meetings and the employee body. Area representatives are re-

sponsible for communicating all current and upcoming recreation events to the employees within their work areas. Need to find answers to your questions? Contact someone close to home!

Tape Engineering  
Card Manufacturing

Metal Fab  
Operations Support  
Field Engineering

Disk-Systems

Lange Ski  
Operations Program  
Microtechnology  
Corona  
Tape Corona  
Traffic  
Research & Technology  
FE - Remanufacturing  
Tape Card Manufacturing  
Tape  
Marketing  
CSD  
International Marketing

John Seabury	Ext. 3326
Betty Littlejohn	4573
Bonnie Price (2nd shift)	8916
Billie Ogden	4621
Shelly Curran	4567
Vern Porter	Page
Verna Newman	4001
Cyndy DeGrevé	3114
Jim Mills	4492
Marlene Thomas	7413
Debbie Swenson	6123
Brenda Kois	4432
Rosann Jurestovsky	6333
Jane Berlin	3576
Jack Lehr	8202
Connie Jurkovich	5781
Jane Coyle	6992
Judy McRoberts	8295
Cathy Adolf	4472
Jamie Kliever	8462
Debbi Cupp	3099
Joann Smith	8041
Lindy Mathews	8835
Mary Lou Shipton	5603
Tim Clifford	3044
Terri Miller	3929
Noha Elserougi	5597

## How's Your Fat Thermostat?

Most of us know that our bodies maintain a complex thermostat-like mechanism which regulates our body temperature. But how many know that our bodies possess an inherent thermostat for fat?

According to a theory proposed in an article published recently in "Science '82" magazine, our bodies have an internal gauge or "set point", that controls the balance between fat and energy. And this set point varies from one person to the next, mainly due to heredity.

For example, one person may be born with a higher fat setting than another. The person with a higher fat setting tends to have a greater appetite in order to maintain the delicate balance between the amount eaten (fat), and the amount of energy burned in activity.

How do we adjust this already-established setting in order to lose weight? The perfect approach would be to try a method that would raise or lower the body's setting without overpowering it.

Physical exercise rather than intensive dieting, which resists the body's set point, appears to be the magic key. Exercise unlocks the

controls and lowers the body's set point naturally, allowing the body to cease craving food normally required to maintain the inner balance. Yet, no one really knows why.

We do know, however, that exercise tones and firms muscles, builds both physical and mental endurance, reduces stress, increases longevity, creates a feeling of well-being, and enhances self-confidence.

For those reasons alone, exercise should become a consistent part of our daily lives. And if, in the process, we find our internal fat thermostat dropping and, consequently, our body weight dropping, the pleasure's all ours.

## STCRA General Meeting

The next general meeting of the STC Recreation Association is scheduled for noon, Mar. 16, in the Aspen conference room, Lsvl 2A. (Feel free to bring your lunch.) All area reps, club representatives, and interested volunteers are urged to attend.

## Ladies' Golf League

Attention, lady golfers! Let's get together and organize a ladies' golf league! Arrangements are already under way to play at Haystack golf course in Boulder. Players of every caliber are welcome.

A kick-off meeting to plan dates and times will be held at noon on

Mar. 9 in the Aspen conference room in Lsvl 2A. Bring your lunch. If you cannot attend this meeting, but want to help organize this club and play some golf, please call Madeline Knott, ext. 6868, or Susie Paine, ext. 4811.

## Offerings

### Ice Capades

Coming soon! The hottest show on ice, The Ice Capades, will be in Denver this April. As in the past, the STC Recreation Association will obtain seats at discounted prices for STC employees and their family members. This year's show will feature Denver's own star, World Champion Charlie Tickner. Dates, times, and prices will be printed in the Mar. 19 issue of the STC NEWS.

### Nuggets Discounted Tickets

Nuggets fans! With Denver on a hot streak, this game will be hard to pass up. On Saturday, Mar. 27, the Nuggets will take on the Phoenix Suns at 7:35 p.m. at McNichols Sports Arena. Tickets will be available at the Rec Center on a first come, first served, basis. Support our team and help keep our playoff hopes alive!



Nettie Penman has become a "regular" at the Recreation Center because "exercise helps my mental attitude and prepares me for the rest of the day." Nettie, who works in disk-systems production control, has taken a noon-hour aerobics class for more than a year. On days when the class does not meet, she runs or uses the weight equipment.

## Classes

### Rhythm Aerobics Class

A six-week rhythm aerobics class will start again soon for those interested in getting in shape after work. This class provides good physical exercise in a rather fun and relatively painless manner. Class consists of stretching, cardiovascular, and rhythm exercises. Comfort-

able clothes and gym shoes are recommended. The class will meet from 5:15 to 6:30 p.m. on Tuesdays and Thursdays beginning on Mar. 16 at the Rec Center. The cost is \$7, \$6 with a rec card. Deadline for payment on reservations made by phone is Mar. 12.

### Noon Aerobics Class

An eight-week noon hour aerobics class is the perfect solution for those interested in winning the battle of the bulge. This popular coed class meets from 12 to 12:45 p.m. Mondays and Wednesdays, beginning Mar. 15 at the Rec Center.

Music provides the tempo for both spot exercises and a vigorous aerobic workout. Class is open to all STC employees and their family members. The cost is \$7, \$6 with a rec card. Deadline for payment of phone reservations is Mar. 11.

### Belly Dance Class

Hey, ladies! Once again it's time to think about getting in shape for spring and summer. Belly dancing is for everyone who wants to slim down and have fun getting there. This uniquely feminine art will help you keep fit, improve your posture, flexibility and build self-confidence. You'll love the slimmer, more graceful you.

Class will include some historical background, authentic music, and use of the veil and zils. The class is open to both beginning and intermediate levels. This six-week class will be offered from 6:45 to 8 p.m. Tuesdays and Thursdays, beginning Mar. 16. The class will cost \$11, \$10 with a rec card. Deadline for registration payments is Mar. 12.

# Metrology: Its Aim Is Accuracy

"Metrology? We aren't into checking out the weather, are we?"

No, it's not at all related to the study of weather.

STC's future is planned on the basis of the most reliable information available. Since reliable information is at the heart of future planning, we can begin to understand metrology as that group of engineers, techs, and support people who assure the operation and accuracy of tools and test equipment used in STC's design, development, and production.

The metrology department is our guarantee that what is designed is what will be built. All instruments, mechanical and electrical, which are used in design, development, and production must be accurate. Each is traceable to nationally recognized standards. The 16 folks in metrology regularly track and service 10,000 such instruments on the average of twice every year.

The history STC keeps of these 10,000 instruments lists such things as gage blocks, calipers, oscilloscopes, digital multimeters, fix-



The gage lab within the metrology lab has stringent temperature and humidity controls, plus a positive pressure environment, to minimize physical variations and dust. Here Charlie Steffens, a quality engineer, uses the gage block comparator to compare gage blocks (the standards for linear measurements) against a master set obtained from the National Bureau of Standards. The equipment can measure differences in the blocks of plus or minus a millionth of an inch.

tures, jigs, torque tools, micrometers, volt-ohm milliammeters, amplifiers, AC insulation testers, particle counters, sensors, and numerous others. The word for assuring the accuracy of these items is CALIBRATION. In some cases, we still have to go outside the company for calibration, but this need is less each year. The in-house turn-around time is shorter than any outside service.

It is one thing to design a part to a tolerance of  $\pm .00025$ ; it is something else to make parts that meet that design. Accurate tools and instruments are essential. Our metrology people keep the fixtures and measuring tools accurate. While the above example is mechanical, the same reliability is assured for electronic processes.

Preventive maintenance and repair are two other services of metrology. It is true that an ounce of



Bob Reinert, a metrology technician in the RF (radio frequency) lab, works with precision DC equipment in making his high-accuracy measurements. Most of the equipment he calibrates is used by design engineering. In checking radio frequencies, Bob compares them to a standard frequency which is radio broadcast from the NBS office in Ft. Collins.

prevention is worth a pound of cure. A commercial for an automobile oil filter makes the valid point of "Pay me a little now, or pay me much more later."

The more metrology's service is used by all design, development, and production departments, the better the quality of their work. So, it's important that everyone be well acquainted with the vital function metrology serves. It is a service department whose members will make themselves available whenever there is a need. In a real sense, they are on call 24 hours a day, seven days a week.

STC's products are subject to the approval of independent agencies such as Underwriters' Laboratories (UL) and Canadian Standards Association (C.S.A.). Similar agencies exist in different European countries. The following are typical questions asked by these agencies:

- Is there a written procedure that outlines requirements for control of critical measuring and testing equipment?
- Is there a periodical calibration schedule?
- Is the critical measuring and testing equipment identified as to correct calibration status?
- Are these standards traceable to the Bureau of National Standards?
- Is the dated calibration sticker with the next due date on the equipment?

STC products would not be marketable without these agencies' approval, and their approval, in part, is contingent upon an effectively operating metrology department.

One of the services the people in metrology want to expand is the corporate loan pool of test and measurement equipment. Oscilloscopes and digital multimeters are the most frequently used pool items, but all spare test and measurement instruments should be transferred to the pool.

The ideal situation would be for metrology to become the central clearing house of all surplus equipment. The loan pool is an advan-

tage to everyone because it becomes THE place to get and return equipment, and to know that the equipment will be 100% accurate.

The metrology department tests all new test and measurement equipment as well. Every appropriation request (A/R) is signed off by Norm Smith, manager of metrology, to assure a history will be kept



Wilbur Petty, a metrology technician III, here deals with an AC insulation tester, used to check for breakdowns in insulation in STC's end products. An amateur astronomer, Wilbur makes his own telescopes in his time off.

## STC Surplus Store

The first sale at the STC surplus store in February attracted many STC employees. Popular sale items included machine covers and frames, power supplies, electronic components, switches, glass and plastic windows, fans, and adhesives.

The STC surplus store again will be open from 8 a.m. until noon on Saturday, Mar. 6, at its Northglenn

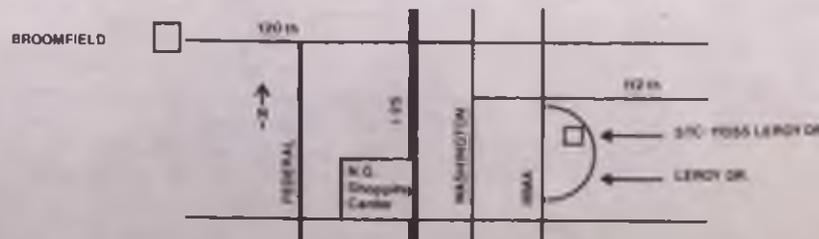
location, 11055 Leroy Drive. STC employees with ID badges are welcome and may bring friends. However, only STC employees may pay for purchases and only by check.

Items that are NOT AVAILABLE include desks, chairs, typewriters, floppy disks, and calculators. If you have any questions, call Paul Nelson, manager of salvage, 452-9740, or Dick Sadler, 452-9958.

Each type of equipment has an individual time interval for inspection and recalibration. This assures that spare parts will be available and that the maintenance manual will be kept accurate to take advantage of warranty work.

All this assures accuracy and traceability to the National Bureau of Standards. Anyone who plans to purchase test and measurement equipment should contact metrology to benefit by their experience.

The data file, accessible on the V-6, on all equipment in each division is now available for call-up on any terminal. It is in each division's own self-interest to monitor the status of all its equipment. When any item is due for recertification, it may be taken to the metrology lab on the first floor of Lsvl 5, or a pick-up of the equipment can be arranged by calling ext. 3828.



## Hasta La Vista, Teresita!

Who's Teresita? Just ask anyone in the STC's Americas/Asia group of international operations, or in marketing's advanced planning. They'll tell you she's Teresita Vidaurre, the bright, productive intern who worked for them recently under the auspices of AIESEC.

AIESEC are the initials that stand for the French words meaning International Association of Business and Economic Students. It's a 30-year-old group that provides international business training for highly intelligent, articulate, and motivated college students. Teresita, a native of Caracas, Venezuela, registered for the program at Metropolitan University in Caracas, where she is completing a five-year double major in finance and marketing.

She arrived at STC by a round-about route. Originally, she saw Colorado for the first time when her family came here during the 1980 Christmas holidays to go skiing. "I fell in love with this place!" she relates, her face beaming with enthusiasm. "But I had to finish my studies," she adds.

At that time, she had no knowledge of AIESEC. Then, back in Caracas, she learned of the organization. Little dreaming that it would bring her right to the place she longed to visit, she filled in their form, listing Europe and the United States as the two places she'd consider for a work internship.

"Two months later I got a phone call from AIESEC in Colorado: 'Do you want to come to work for STC?' I said 'yes', but I have no idea what I'm coming to," Teresita explains. Although she'd had some courses in computers at school in Caracas, including FORTRAN, COBOL, and simulation, "I was thinking about storing physical things, not data."

The program calls for the intern to live and work abroad for three months. "I arrived on the 12th of September, a Saturday night. On Monday, I was working."

On her first day at STC, "I was so nervous," Teresita confesses. A girl from AIESEC picked her up and drove her to work. "They really take care of you," she emphasizes. Her boss, Mike Woodrow, was out of town, so she was sent to Charles Hawley, who speaks Spanish and helped her get settled.

"I asked him what was this business," she admits. "I couldn't help laughing (when he explained what Storage Technology was all about)." She still had expected a company that dealt with physical storage.

Her assignment in international was market research for the COM2 system in seven Latin American countries "including my own. I worked with Zane Ryan. I learned a lot." Later on, dealing with libraries, the Department of Commerce, embassies, and other sources of information, she prepared her reports, which she had to deliver in formal presentations to Mike and his superiors.

"She was a primary contributor," relates one executive, who describes her reports as "excellent."

And working in English was no problem for her. "I learned English in Ireland," she says, explaining that "when I was nine years old, my family was living in Spain. English was the most common, most commercial (language). So they sent my sister (10) and me to an old convent in Ireland."

The two young girls found themselves in an old wooden girls' high school run by the nuns of the convent, where they were expected to follow all the classes, learning English in the process. "I learned algebra, Irish, and a little French," Teresita recalls. She found the experience somewhat frightening. "I missed my family a lot."

Her family includes her parents (her mother is from Venezuela, her father was Basque); her older sister (now married with a one-year-old daughter); a brother, 18, who is a student at the University of South



*Teresita Vidaurre, STC's AIESEC intern from Caracas, Venezuela, faces her last day at STC with smiles outside and mixed feelings inside. She'd like to work here again someday. Any many of her co-workers would welcome her return.*

Carolina; and a sister, 15, who still lives at home. "In Venezuela, girls stay with their parents until they get married," she says. "They're very strict."

Her father is retired, having worked in construction, civil engineering, architecture, and the import/export business, before building factories to manufacture pipes used to transport oil and gas.

The Vidaurres all were able to come to Boulder at Christmas, to celebrate together. "I cut my own Christmas tree," she says excitedly. "Of course, I skied every day."

At Thanksgiving, she also shared a family dinner, but not with her own family. Phil Ingalls, vice president of marketing, who is on the board of the CU chapter of AIESEC, invited Teresita to his home for the holiday. She recalls they also celebrated Christmas, as Phil had to leave the next day for China.

When her three months as an intern were up, "I wanted to stay," Teresita states. She'd bought a used car for transportation, and really enjoyed her work. Teresita succeeded in having her stay extended three months, although her assignment with international operations was completed. Instead, she interviewed with Gene DeKoster,

divisional vice president of marketing advanced planning, and was assigned to work on market research for Brian D. Richardson.

She took to her work with her customary enthusiasm. "Brian is an excellent boss," Teresita says. "I like this work very much, too." But her work is not the only attraction STC had for Teresita. "It's coming to work and being with people you like. (STC is) a great company, because of the people that work here. You have a small company type of relationship."

Teresita found her time in Colorado flew by. When confronted with her imminent departure for home, she faced mixed feelings. "I'll miss everything," she admits. "Ice creams, the people, the atmosphere, the work, the crazy weather,..."

She realizes that her AIESEC internship here involved many readjustments in attitudes and learning a lot more than just her work. "It was really nice to find out I'm the same person. It helped me mature and gave me more self-confidence (to be on my own)." Now Teresita faces the adjustment in reverse back in Caracas. She won't be able to go where she wants to unescorted. "Caracas is a very dangerous city," she explains, although she looks forward to seeing her family again and finishing her thesis at the university.

"I'd like to come back and work at STC someday," she says. Judging from the opinions voiced by her co-workers, the feeling is mutual. Hasta la vista, Teresita; we'll be seeing you!

## Emergency Number

At Louisville headquarters, ext. 5456 is the number to call for all types of emergencies. It is answered 24 hours a day seven days a week, by security.

## Construction

*continued from page 1*

Initially, plans call for manufacturing to use approximately 30,000 square feet of the new building, continuing to sublet the remainder to the present leasees.

STC Documentation has an additional 18 acres of land adjacent, also purchased in 1981, for future expansion.



*The difference between the steel frame construction for Lavi 9 (above and left) and the pre-cast concrete used for Longmont (above, right) is obvious when one views the two structures.*

## Women's Forum

### Dr. Doris Havice Puts Feminist Movement in Perspective

Dr. Doris Havice, professor of religious studies at Colorado University, author of the book "Roadways for a Rebel", and chairperson for the conflict and peace studies program, addressed the meeting of the Women's Forum Feb. 10, receiving a very favorable response from the audience both for herself and her talk.

Doris, whose feminist grandmother taught natural childbirth in the 1800s, was a twin who had a "twin language" with her brother. She was perceived as mentally retarded, since her brother did all of the translating to their parents. Her grandmother resisted the diagnosis. Under her influence, Doris became a regular, thoroughly intense, non-conforming member of the family.

When Doris entered college in 1924, the vote for women was four years old. Most people felt that "everything was solved" for women. Most women expected to "have a career, raise eight children, and have one of them be president of the United States quite soon."

During college, Doris studied the Bible as literature and decided to become a minister, much to the astonishment and dismay of her family. Consequently, she was one of the few women of her time to work her way through college, studying first at Union Theological Seminary, where she earned her master of divinity degree. Then she enrolled in the New College in Edinburgh, Scotland. She refused to be ordained, however, claiming the church was too hierarchical. Interestingly, she reported that in 1910, there was a much higher percentage (15%) of women Ph.D.s than in 1970 (10%).

Deciding she would rather go into teaching, she studied psychology under Alfred Adler in Vienna and worked as an English tutor, returning to America as the Nazi threat grew in Europe. She learned a

great deal about blind prejudice. After participating in a commune with her husband and children, Doris became active in the civil rights movement and taught philosophy in a black college in Birmingham, Ala.

Because of her interest in teaching, Doris completed work for her Ph.D. in philosophy at Columbia University in 1951, after which she came to Colorado University.

Doris was the first woman to run for the state legislature from Boulder County. Even though she lost her campaign, she helped area women "get together" politically to support women candidates and issues affecting all minorities. The civil rights movement clarified the need for all minorities to work together and to realize that anger, if not properly channeled, is wasted energy.

Doris warned women not to become chauvinistic in an attempt to fight male chauvinism. She said in her teaching career she had ob-

served many men and women who support equality very deeply and recommended strong support for every individual with a philosophy of fairness.

The speaker believes that the Reagan administration is a blessing in disguise for minorities, because it will increase their cooperation with each other and their determination not to become lazy about issues which threaten the tremendous gains they have made in recent years.

#### Future Meetings, Workshop Set

In March, the Women's Forum brown bag lunch programs will take place from noon to 1 p.m. in the corporate training classrooms in Lvl 5 on Mar. 11 and 18. The topics are the hospice care programs, with slides and a movie sponsored by Hospice, "The Death of a Child". April's brown bag lunches will deal with the subject of single parenting. As always, everyone is wel-

come.

The next regular meeting of the Women's Forum is slated for 5:15 p.m. Mar. 10 in dining rooms 1 and 2, Lvl 4 cafeteria. The program, "Women in Management at STC" will feature a panel discussion, with representatives of each division taking part. Come prepared with questions!

The spring workshop, featuring speaker Rosa Mazone, will be held Mar. 27 and 28 at the YMCA of the Rockies in Estes Park. Rosa is experienced in presenting courses and leading seminars in self-image, self-esteem, and values clarification. Attendance is limited to 41 participants. The fee of \$41 includes speaker's fee, one night's lodging, and four meals. The non-refundable fee must be paid at the time of registration. Questions will be answered and registrations accepted by Pegasus Romaine, ext. 4249.

## STC Prepares to Communicate

The rumors and guesses have been flying fast and furiously about the recent rapid construction of the tall (110 foot) tower just east of Lvl 4 at headquarters. Speculation has ranged from an in-house radio station to a special security communications tower. All wrong.

It's a tower to hold a paging transmitter antenna to provide back-up FM paging capabilities should our leased space on a Federal Heights transmitter become unusable for any reason.

Because a transmitter gets better coverage and penetration the higher the antenna is, telecom installed this antenna at the top of a 110-foot tower. Preparation of the concrete base was interrupted by the chinook winds several weeks ago

but, after it passed city inspection, plans proceeded to erect the tower itself. The actual tower is constructed of 10-foot pre-constructed sections that are raised successively and connected. As a result, the

raising of the tower and connection of guy wires only took a day. But, judging from witnesses during the rigging of the antenna in a healthy breeze, no one envied those telecom workers their task.



These telecom people rigging the back-up FM paging antenna 110 feet above the ground at STC headquarters attracted rubberneckers from passing cars. No one was envious of their job, though. The brisk wind was enough to discourage even the hardiest onlookers.

## Corporate Training and Development

### College Career Days

Have you considered improving your skills or furthering your education? If so, a logical next step is which school will best fit your needs.

Here's an opportunity to get some answers. On Mar. 16 and Mar. 23, representatives from 13 post-high school educational and technical institutions in the Denver metropolitan area will be at STC to do just that. To get information on available courses and programs and answers to your questions, plan to attend one of these College/Career Days sessions:

- Mar. 16 from 11 a.m. to 1 p.m. in the Lvl 4 cafeteria;
- Mar. 23 from 11 a.m. to 1 p.m.

in the Industrial Lane cafeteria.

Representatives will be present from these institutions:

- Antioch
- Barnes Business College
- Boulder Valley Vocational Technical Center
- Colorado Women's College
- Colorado State University
- Community College of Denver -- North
- CU -- Boulder
- CU -- Denver
- Denver Institute of Technology
- Denver University
- Loretto Heights
- Metro State College
- Regis College
- University of Northern Colorado.

### Direct Inward Dial

Use Direct Inward Dial (DID) whenever possible when calling into STC, instead of calling the switchboard operators and having them connect you to the appropriate extension. Dial 673 and the extension. Your call will go directly to

the desired phone, and the operators will be freed to handle more complex calls. Be sure to tell those with whom you conduct telephone business that they can dial you directly using 673 and your extension.

### Letter to the Editor

People do the best they can to do their jobs, but we sometimes forget to say "thank-you" to others who help us by doing their jobs well. I think the people in the facilities department at Louisville headquarters deserve a special thank you for the extra effort they put into clearing

and sanding the sidewalks and roads before employees begin arriving on snowy days. I didn't realize how very much I appreciated them until this winter, when we had so much snow. Thank you all very much!

Julie Aho