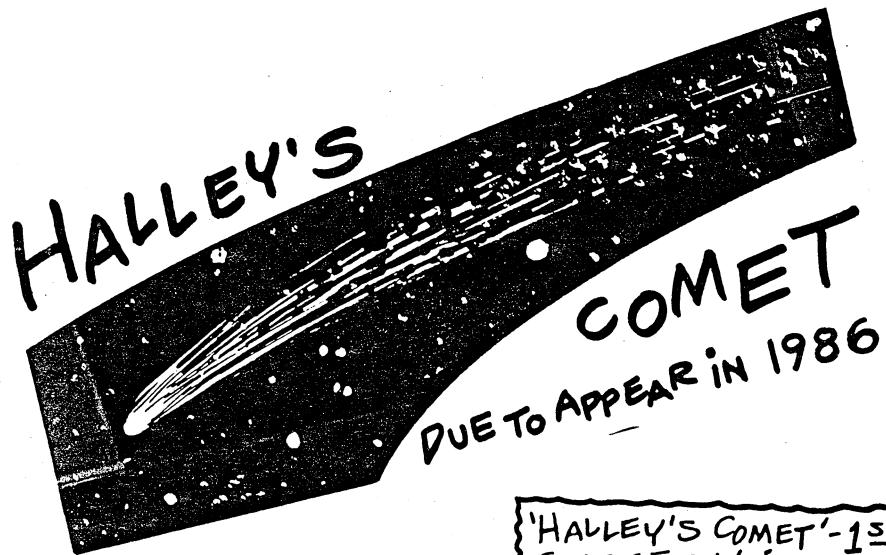
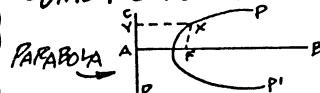


CROWN CRIER



HALLEY APPLIED
NEWTON'S LAW OF
GRAVITATION TO ALL
COMETS HE OBSERVED.
CALCULATED PARABOLIC
ORBITS FOR 24 COMETS.



'HALLEY'S COMET'-1ST
COMET FOR WHICH FOUND
ELLIPTIC ORBIT

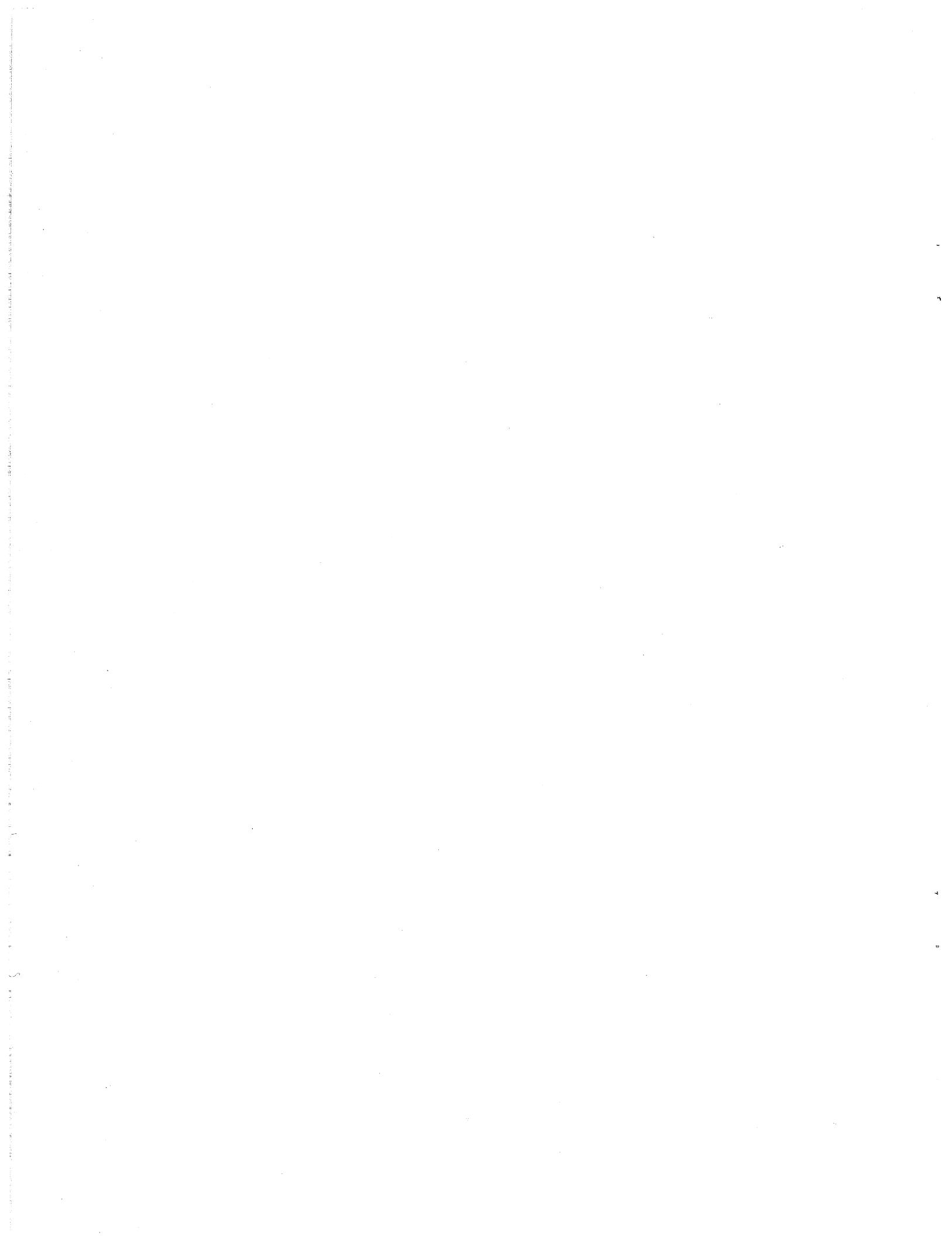


...AND 1ST COMET PROVEN
TO BELONG TO A SOLAR
SYSTEM.

HALLEY PREDICTED
COMET'S APPEARANCE
IN INTERVALS OF

1758 1835 1910
75 1/2 1986
YEARS

JANUARY 1986



The CROWN CRIER is the monthly newsletter of CROWN INTERNATIONAL, Inc., 1718 W. Mishawaka Road, Elkhart, IN.

DEADLINE FOR NEXT ISSUE - JAN. 22

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EMPLOYEE COMMITTEE REPORT.....
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NEW EMPLOYEE PROFILES.
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Sheryl Gingerich



FOR BETTER KICKS IN '86 — KEEP
RESOLUTIONS EVERY DAY!

EACH SUNDAY: Offer thanks for all you've got; rich in health is wealth a lot.

EACH MONDAY: Start new projects interesting; work your hobby, do your thing.

EACH TUESDAY; Find some source for happiness; good deeds always void distress.

EACH WEDNESDAY: Help someone who needs your aid; kindness ever is repaid.

EACH THURSDAY; Practice golden rules that teach; virtues are within your reach.

EACH FRIDAY: Strive to finish tasks undone; solve tough problems, then have fun.

EACH SATURDAY: Relax and laugh, enjoy the day; work's complete, it's time to play.

AND EVERY WEEK; Be glad you're you; alive, unique, good person, too.

- From the Elkhart General Hospital,
EMPLOYEE NEWSLETTER, Dec. 27, 1985.

on the other hand



The Joy of Mail

- Dave McLaughlin

The history of mail in the United States is a farflung potpourri of legend, myth, and dark of night. Someone in the very early reaches of the Republic - seems to me it might have been Ben Franklin - invented the U.S. Post Office when he discovered there were no telephones in the New World and it took forever to catch a taxi across town to talk to his friends.

If everyone paid a small amount for each piece of mail, he reasoned, and enough people ponyed up the mail fee, the system would pay for itself. This idea later led to the use of ponies in the famous Pony Express, which delivered all the mail between St. Joseph and Sacramento that was not stolen by brigands or eaten by pumas. The telegraph and the railroad quickly ran the Pony out of business, and the rapidly developing infiltration of the Post Office by government functionaries made it clear that stamps alone would not pay for delivering the mail and supporting the political overhead.

Some time passed, and things crept up to their current state. After years of embarrassing losses, the government attempted to dump its mail carrying responsibilities and its attendant losses on the U.S. Postal Service. The USPS, as near as I can figure it, is a government sponsored private organization that passes out mail when

it cannot think of something better to do. I have not personally noticed spacious differences between the USPO and the USPS, except that stamps have continued to get more expensive, and we are now offered guaranteed speedy delivery if we pay extra. A lot extra. Nothing is guaranteed otherwise. In its reverence for historical precedent, the USPS has often imitated the wrong end of the pony.

Sadly, but not surprisingly, the USPS has continued to lose money. A few years ago this outfit did clear a half-billion or so, but they admitted that they were surprised at this result, and quickly took steps to remedy it. For the most part these steps have worked admirably.

You will have to pay close attention to this next part because it does not make a whole lot of sense. Paying attention will not cure that, but it will keep you from having to reread the section in the belief that you missed something.

We have accumulated thousands of post office buildings all over the country, including many which are architecturally interesting, if not actually masterpieces. We have in these buildings acres of automated mail handling equipment, countless little red, white, and blue trucks with their steering wheels on the wrong side, and thousands of dedicated letter carriers with brown leather letter bags. We use this massive machinery to move around the most unrepentent assemblage of rubbish you could imagine. "Occupant" mail, Amazing Offers, Sweepstakes fliers, political stuffers, and unwanted bills pretty much fill the sack. Oh sure, there are book clubs, birthday cards, and the occasional unpaid gambling debt, plus the flood of cards at Christmas and Mother's Day, but these semi-useful pieces are readily smothered by the overflowing supply of postal trash. Every mailbox should come with a large green plastic barrel attached. A big smelly truck with shovels should come around to fill it.

Do you wonder what could possess someone to address mail "Occupant or Next of Kin" and conclude it with "Warmest personal regards"?

It is un-American, but I have not been able to keep up with the sweepstakes offers. Reader's Digest, Ed McMahon, Publisher's Sneering House, and something called the Flower-of-the-Month Club showed up in my mail this week. One of my sons, inspired by "A Million Dollars, All for You", began sorting through the forms before I got them into the wastebasket. I checked the odds of winning. They were slightly worse than the possibility that Halley's Comet will land in my back yard and enable me to get rich selling tickets to see the hole.

The bills I like most are the gentle reminders that come when a payment does not show up exactly when the payee expected it. "Dear Sirs", they begin, "We have not yet received your payment. We have, however, gotten our hands on your dog and both of your rabbits, and will sell them for almost nothing to the National Glue and Fur Mitten Company if you don't come across. If you have already mailed your payment, please disregard this notice and have a nice Memorial Day." Fine, but what about my dog?

Political mail arrives in your mailbox courtesy of the "franking" privilege that we (as in you and me) have extended to our senators and congressmen. This pleasant arrangement calls for political luminaries to send us mail at our own personal expense. Sort of like mailing collect. Somehow they deduced that we were so anxious to hear from them that we would be happy for our taxes to pay the bill. Don't they remember that we were the ones who insisted they move to DC after the elections? Why do they still think we want to hear from them? "Franking" is a term similar in its intent to the more common term "fleecing".

Some of my mail still surprises me. I have not yet fully grasped the operating rationale that drives book clubs to behave in their unique way. When I have not purchased enough books to keep my book club people content, they send letters which explain that if I do not wish to buy books, then they do not wish to offer me books. We part company soon after. Two weeks later I receive their final salvo. For one thin dime they will send me four new books of my choice if only I will rejoin them and begin again to not buy books. Dealing in mail all the time must push them to this.

When next you go to your mailbox to haul in your collection of offers, fliers, bills, and political debris, think reverently of all the training, dedication, and funds of your very own that put it there. You might consider digging up the box and planting peonies.

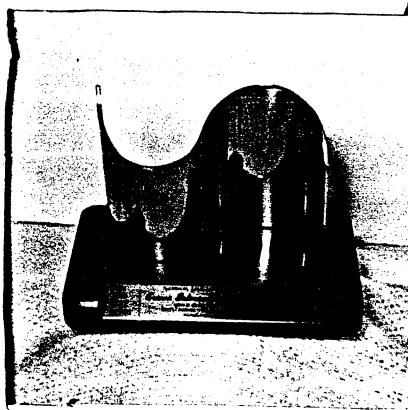


□ □ □

A complex system that doesn't work is invariably found to have evolved from a simple system that works.

□ □ □

TEF® 10 VOTED #1 IN ACCOUSTIC TECHNOLOGY

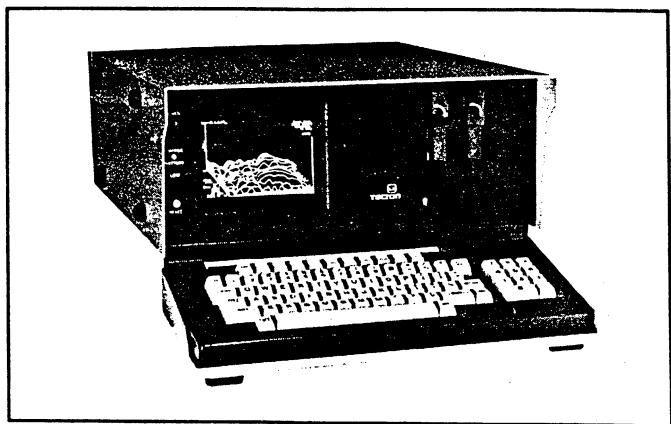


DON EGER, TECHRON DIVISION MANAGER, accepted the 1985 TEC AWARD (Technical Excellence and Creativity Award) for the TEF-10 at an awards ceremony at the Puck Bldg. Ballroom in New York City October 14, 1985. The publishers of MIX MAGAZINE have developed these awards for the past couple of years. This was the first program to honor outstanding achievement in audio/music technology and creative excellence in recording and sound, at one event.

This program also benefitted the Deafness Research Foundation and the Audio Engineering Society's Scholarship Fund with grants provided by ticket revenue. The DRF is the only national organization that is entirely committed to directing public attention and support for basic as well as clinical research into the causes, treatment and prevention of deafness and hearing impairment. The AES Educational Foundation awarded its first grants to graduate students in the field of audio engineering in 1984.

The 1985 TEC AWARD nominees and winners "...represent the highest levels of technical excellence and creative achievement during the 1984 calendar year, as judged by the readers of MIX MAGAZINE. Nominations have been made in three major categories: Outstanding Technical Achievement, Outstanding Creative Achievement and Outstanding Institutional Achievement." The voting

ballots were tabulated by a certified public accounting firm and the results were kept in strictest confidence until the awards presentation.

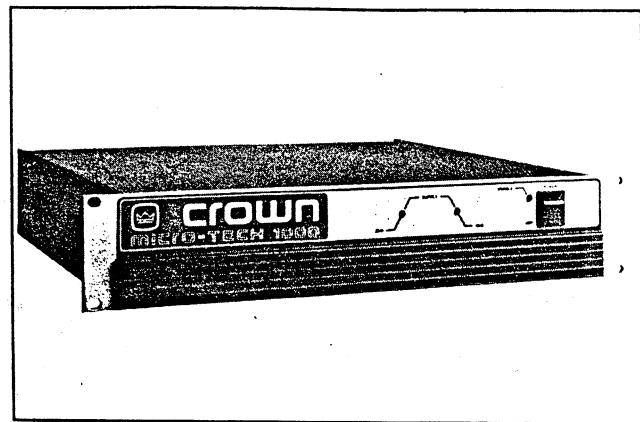


THE OUTSTANDING TECHNICAL ACHIEVEMENT award recognizes "those individuals, companies and/or innovations that have made the most significant contributions to the advancement of audio technology during the past year." The winner in the category of "Acoustic Technology", The **TECHRON TEF SYSTEM 10** measuring system is a portable spectrum analyzer that can perform the following functions: energy/time curves to establish reflection time-RT 60 values can be easily computed from this; frequency/energy curves ("frequency response") at any time up to 240 seconds after signal output; phase/frequency; phase/energy (the Nyquist xPlot); time/energy/frequency automatically with 31 sweeps over a selected time period; sound velocity determinations on locations to determine effects of temperature, altitude or humidity.

CROWN RECOGNIZES MT1000 ENGINEERS

The CROWN MICRO-TECH AMPLIFIERS were also included in MIX MAGAZINE's 1985 TEC AWARD nominations. One of eight nominees in the "Sound Reinforcement Technology" category, "The CROWN MICRO-TECH 1000 is a miniature stereo power amplifier for sound reinforcement and studio monitoring.

The Micro-Tech can deliver 1000 watts continuous average power in mono mode at less than one percent THD into one or four ohms. Patented Crown circuitry allows extreme voltage swings without putting output transistors in series. The "Output Device Emulator Protection" (ODEP) circuit simulates the output transistors, and allows the amplifier to detect and compensate for overheating and overload. The unit is also protected against output shorts, open circuits, mismatched loads and high frequency overloads. A self-contained forced-air cooling system is another protection feature."



In recognition of the success of the Micro-Tech 1000, **Max Scholfield, Crown President**, presented plaques to two key individuals, at a recent assembly. To **CLAY BARCLAY** this "Outstanding Achievement" award reads, "For initiating an impossible dream for inspiring and defining MT Series Amps." To **JIM WORDINGER** "For your work in designs and development to make an impossible dream become a reality. MT Series Amps."



MAX SCHOLFIELD, CROWN PRESIDENT

CLAY BARCLAY, NEW PRODUCTS DEVELOPMENT



JIM WORDINGER, SENIOR DESIGN ENGINEER

customer comments

Dear People of Crown,

I would like to commend your organization for the manner in which you recently handled my warranty return.

The unit was a brand new FM3 which I received with some minor defects. You repaired the tuner and returned it in a reasonable amount of time. In addition, you stretched your warranty and paid for expedited shipping costs, at my request.

I am quite pleased. My tuner is a pleasure to listen to, and I missed only a short period of enjoyment while it was in for repair. But beyond the obvious, I was very happy to find a company whose ACTIONS displayed an attitude of concern for their customer and a true professionalism. It is refreshing in a world filled with second rate products accompanied by hyperbole and quick buck mentalities.

My wife and I also own a DL2 and some Crown audio furniture. At one time we had some exasperating trouble with the DL2 and postponed purchasing a new Crown tuner. My faith in your products and, frankly, your organization was shaken. The response with the incident involving our tuner helped renew our trust in your organization, despite my initial reaction of "Oh No! Not again!" (We are, however, still waiting to see the wireless remote control for the DL2.)

I look forward to enjoying the Crown equipment we own for many years to come. Should we choose to purchase Crown products again in the future I have no doubts you will stand behind them. (Though I hope we won't have to ship them back to the factory to get them working properly.)

Please advise us whether or not you have any intentions of bringing a compact disc player to market. I would be very interested. I would be extremely interested if in addition to a CD you offered a wireless remote which would control both the DL2 and the CD. Just think of how many music lovers could

enjoy that arrangement. It would let the DL2 interface with the audio product of the 80's and show just how ahead of everyone else you were with its development. Please let me know what you think.

Well, I don't want to get too long-winded. Keep up the good work. If you ever feel people don't notice what you do - good or bad - just try to realize we do. Perhaps we don't write or call and tell you often enough, but your work is appreciated. And the Japanese sure do love to copy it. Hope to hear from you soon.

Best Regards,
Joe Lotito
Wallington, NJ

caption contest



□ □ □

A budget is what you stay within if you go without.

□ □ □

looking backward

LED's come into "VU"

EDN JANUARY 5, 1975

Gerald R. Stanley

The age of the mechanical audio "VU" meter is destined to close. No longer must we tolerate the sluggish and fragile nature of an analog meter movement—not when responsive, reliable and inexpensive LED's are available. The Monochip technique greatly simplified the sequential display driver I created.

My design, a compact low-power display for a 7-element LED, uses a 15V regulated supply with LED's arranged in an ordered row and illuminated sequentially.

The LED drivers (Fig. 5) are all small npn devices with both collector terminals joined for minimum saturation resistance. However driver seven, a Darlington-coupled large npn device, does not fit this category. The availability of this device

THIS ARTICLE TAKEN FROM THE JANUARY 1975 ISSUE OF THE CROWN CRIER was written about Gerald Stanley's prize-winning entry in EDN's standard IC design contest. Gerald is Crown's Research and Development Manager.

Past problems, new solutions

This design eliminates common complaints about professional equipment:

- VU meters that do not indicate peak levels.
- Bulky VU meters that do not allow close placement in systems having a large number of channels. (In some systems, 16 or more channels must be within an operator's field of view.)
- Visibility of a black moving pointer that is too low to be sensible to an operator engrossed in the auditioning of a performance.

became apparent during layout and I seized it. A higher current (> 20 mA) output can be taken from the device, power supply permitting, if you desire to increase the visibility of the excessive audio level condition. □

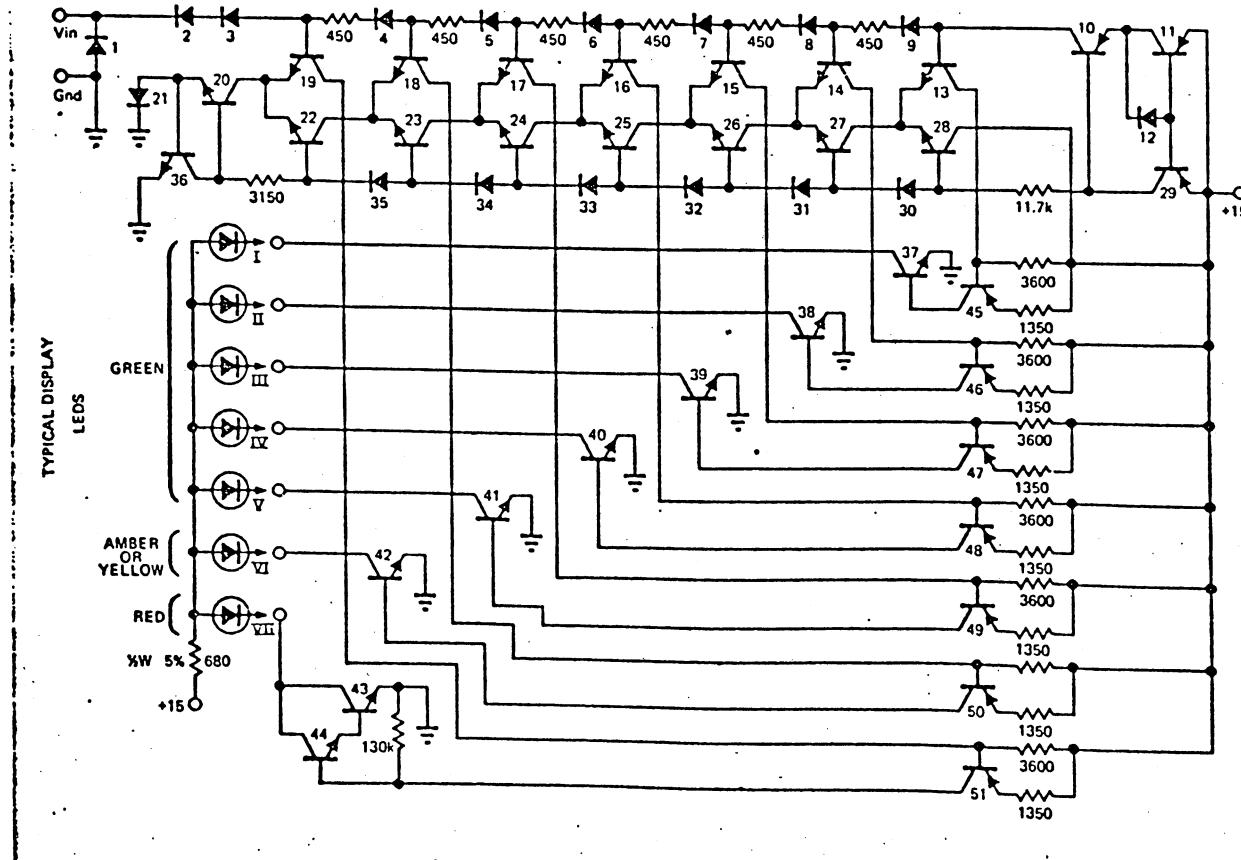


Fig. 5—A natural candidate for integration: The necessary matching and temperature tracking of the differential pairs (Q₁ to Q₁₀ and Q₂₂ to Q₂₈) and biasing elements (Q₁₁ to Q₉) are provided inherently on the Monochip. Current is diverted gradually from Q₂₈ to Q₂₂ causing each stage to turn on in succession. In this manner, a 'Jacob's ladder' display is provided.

special contribution

"EQUAL RIGHTS" OR THE AMERICAN DREAM

- By Greg Eby

Some time ago, while interviewing my congressman, I discovered what he believes gave birth to the equal rights movement. This movement arose, he claimed, because women have been denied their portion of the American dream, but the battle is "more of a psychological battle than a battle of substance."

What is equality? Satan has misled some into thinking subordination must imply inferiority - clearly a deception in light of Scripture. When Jesus' disciples besought Him to eat in John 4:34, He replied, "My meat is to do the will of him that sent me ..." The Son of God subjected Himself to the will of the Father, yet He "thought it not robbery to be equal with God" (Phil. 2:6). God's divine plan required submission by His Son. Yet there is no more beautiful relationship than that portrayed between Father and the Son.

Likewise, God's plan that wives be subject to their husbands precludes any inequality. "...There is neither male nor female; for ye are all one in Christ Jesus" (Gal. 3:28). Even so, for some women the responsibilities which accrue to the "man of the house" seem more attractive than their former roles. Why?

Perhaps women hunger not for "equal rights" but rather equal love. "So ought men to love their wives as their own bodies ... For no man ever yet hated his own flesh ..." (Eph. 5:28-29).

Could it be that women, finding themselves robbed of the love, honor, and respect God commands should be given them, find the pursuit of pseudo-rights more alluring than emotionally insecure relationships?

We have often heard it said that clean, healthy skin is the body's first line of defense against infection. Similarly, when the "weaker vessel" ceases to be

bathed in the love and honor God demands, she becomes susceptible to the deceptive designs of this world - hence, the equal rights movement.

If posterity is to thrive upon its Christian heritage, women must be revered in the home as well as in the pew. Only then will their American dream become reality.

insurance note Medical Insurance reminders for the new year:

1. A separate Deductible must be met each year by each covered person before benefits are paid for that person.
2. If a person incurs Dental Expenses or Medical expenses in the last 3 months of a year, which is used toward meeting his or her Deductible, the amount of those expenses will also be used toward meeting his or her Deductible for the next year.
3. If 3 covered family members have met the Deductible for a year, the Deductible will be deemed met for that year for all other covered family members.
4. Claims must be turned in to BTL within 90 days.

I would ask that if you change your address and/or your name or add a new baby, please come to my office so that the proper forms can be updated. Please feel free to ask any questions that you may have, or call Ext. 247.

Brenda Lawrence
Insurance Administrator



"Are you sure you're taking that vitamin supplement?"

sports shorts

LOOKING FOR A WAY TO RELIEVE STRESS?

You can yell and scream - the louder the better - to cheer on our Crown Basketball team! We all know they are winners so y'all come to the games.

So far they have beat CTS and LeMaster. Here's the schedule:

WED.	JAN.	8	8:30	WSW
WED.	JAN.	15	7:15	PMW
MON.	JAN.	27	7:15	WSW
THR.	JAN.	30	8:30	WSE
TUE.	FEB.	4	7:15	PME
WED.	FEB.	12	7:15	WSW
WED.	FEB.	19	7:15	PME
TUE.	MAR.	4	8:30	PMW
MON.	MAR.	10	7:15	WSW
THR.	MAR.	13	7:15	PMW

WEST SIDE JR. HI. - EAST OR WEST GYM
PIERRE MORAN JR. HI - EAST OR WEST GYM

LADIES BOWLING:

In December our league had a roll off for turkeys and Crown won both of them! Mary Miller had the high game with 201 for Crown and Donna Bostwick had low with 62 for the Crown Jewels. When they played each other two weeks ago, they split the games.

An article of possible interest from STEAM FROM THE BOILER, Employee Information Council, 1983:

BOWLING IS NUMBER ONE IN WOMEN'S SPORTS - A recent survey taken for the National Bowling Council showed that bowling was the number one, year-around sport for women. Followed by card playing, table games, movies and swimming, bowling led the list of leisure activities.

Sports such as jogging, tennis, racquetball, and golf did not place in the top ten activities.

The survey also indicated a revised profile of the female league bowler. This composite individual is 43 years

old, married, lives with two other persons, and has a median household income of \$24,250. Thirty-seven percent have attended college. Twenty-eight percent of all league bowlers are employed.

Women league bowlers are also more active than their female counterparts. A comparison of bowlers and non-bowlers found that non-bowlers are less outgoing, prefer to stay home and undertake less active sports than those in a league.

Finally, most bowlers said that given more free time, they would bowl more!



ROD GROWCOCK of Engineering, has announced plans to form a **CROWN GOLF LEAGUE**. Tentative plans are for two-person teams to play late Thursday afternoons or early evenings at the Bent Oak Golf Course behind Old Farm Apartments. Play would begin in May as soon as weather permits.

There is a sign-up sheet on the bulletin board for anyone who is interested in finding out more about this. The pro at the course would like an indication of how many would be involved by Friday, January 10, 1986, so he can quote fees. Rod will announce a meeting for all those interested.

special contribution

THE POSITIVE SIDE OF BEING NEGATIVE

It didn't take me long as an adult before I met what I considered to be a peculiar type of person. I would call this person a positive-negative person. I consider myself, on the other hand, to be a negative-positive person. A positive-negative person sees the world as perfect and beautiful and then is shocked and depressed when something goes wrong or looks ugly. A negative-positive person sees the world as a mess and then is fascinated when he sees a ray of light amidst the darkness.

The first time I became aware of the two points of view was over the subject of automobiles. When I purchased my first car at the age of 17 I thought it was perfect. If anything went wrong I was enraged. I remember it not starting once when its first battery or alternator died. I beat on the dash with my fist and screamed at it. Slowly the truth began to come to me; I began to become a negative-positive thinker. A chunk of metal zooming over salted, stoney roads with rubber tires, enduring extreme heat and cold with thousands of moving parts, made of ever-rusting, ever-wearing, cracking metals, plastics and wires, was, after all, nothing to think positively about. And so I began to see cars as basically negative inventions.

Having settled this issue I set about preparing for the worst. Adding up all the repair bills I had paid over the past years plus a sizable fudge factor, I created a car repair budget for myself with weekly donations. Then I figured the average life of a car and began to set aside a weekly amount to pay for the next car I must inevitably buy.

Meanwhile, while I was grappling with the truth, I observed a friend of mine who continued to hold on to fantasy. In the same 8 years that I had 2 cars, my friend had gone through 4 cars, 2 vans and 1 station wagon. What was the reason for this difference? Was it that I had bought American Motors while he



Ted Key

bought everything else? No, I think rather that it went much deeper -- way into our brains.

He felt a car was a positive thing. In other words it should perform perfectly forever (to exaggerate a bit). When this inevitably did not happen, then the negative set in - anger, depression, despair, neglect, hatred, bitterness. The poor car sat forlornly in the drive with balding tires and rusting sides, barely, if at all, starting each day.

"Why", I asked, "don't you have it fixed?"

"Well", he would say sadly, "because such and such a thing went wrong and I just don't think it is worth putting any money into." So a \$30.00 alternator had stopped charging his battery and he junked his \$800.00 investment for \$200.00 because it suddenly depressed him that something went wrong. He felt a car should be a positive thing and when it turned out not to be, he didn't even want to see its ugly face again. He never recovered from his positive-negative car mentality.

His final conclusion, when last we spoke on the subject, was to buy a new car under a two-year service warranty and before those two years dare to reach their end, trade it in on another new one so that he would never have to repair a car again. Well he won the fight, at a tremendous price for sure,

but nonetheless he had convinced himself that a car is a positive thing. He must realize that he has spent a million dollars in high interest rates to pay for the no-repair illusion.

"My car broke down", someone said to me at work the other day.

"Well you will just have to take it in and have it fixed", I said smiling.

"I can't", they said looking forlornly at the floor. "You see I won't have enough money to fix it for two more weeks."

"What!", I think to myself, "You mean you have a five year old vehicle and you are walking around not expecting it to break down and not having any money set aside for that inevitable event - this borders on insanity."

All around me I find people surprised by car breakdowns, angry with repairmen for taking their hard-earned money or disbelieving the mechanics who warn them of inevitable doom. I think auto mechanics must be the most hated people in America. Is it the mechanic's fault? I think not. The fault lies with the positive-negative thinkers of this world.

There are positive points to being negative, as it turned out in this particular negative event in my life. I had taken my car in for a \$19.95 front end alignment because I knew that one-ton chunk of metal on rubber could not stay driving straight forever. The repairman called me and said I am sorry but your shocks are bad and an alignment would be wasted. I said, "Fine. Replace the shocks; those things have to wear out eventually."

He called later. The shocks will do no good if I do not replace your worn rear springs.

"Fine", I said. "Those things wear too; replace them."

He called again. "I am very sorry," he said; "I have replaced all those things but I still cannot align your car because the ball joints are too far gone."

"Well", I said, "I can't afford to be driving around in a car that is about to lose its front wheels, so please replace those too." When I went in to pay for my \$19.95 front end alignment I paid \$285.00, but it drove beautifully. The money was available because I know cars wear out. When I paid the bill I could smile and thank the mechanic for looking deeply into the matter of aligning my car.

For perhaps one time in his life he received a positive response amidst the grumbling, hateful hoards. The positive-negative, on the other hand, may have said, "I asked for an alignment, you money-hungry vulture, and you are trying to sucker me out of all my hard-earned money. Now give me my \$19.95 alignment and keep your hands off the rest of my perfect car." Enraged by such treatment the mechanic would likely perform the meaningless task as instructed and turn the poor soul loose to drive his front wheels off into a ditch somewhere.

Having a negative attitude about cars and experiencing the positive advantages of that, has helped me to become negative in many other areas also. Being negative about cars has helped me be at peace, and to treat people in a loving, friendly and humane way. In a world crying for us to be positive, I can see certain advantages to being negative. Being negative can help you to see clearly, to be thankful, to be prepared, to avoid anxiety, to experience pleasant surprise, to ultimately have greater joy than a positive person.

Strange as the paradox may seem, genuine positive attitudes call for one to put a negative foot forward or so says a negative-positive thinker.

- Lynn Scholfield

baby face(s)



Some know two,
Some know four;
Some wish they knew,
None at all!

Today Is a Gift

Today is a gift:
A package filled with time,
Beauty, and love.
Inside are thousands of seconds
Waiting to be shared
With family, friends,
Co-workers, one's self.
Today is a gift
Filled with sunshine,
Smiles from strangers,
Tears of goodbye, and
Touches of love.
Today is a gift freely given
To you and to me
With no conditions,
Only that we cherish
And use it well.

Vivian N. Doering
Escondido, California

puzzle power

72—WINTER WEATHER

ARCTIC	ICINESS	NORTH WIND	SLEET
AVALANCHE	JANUARY	POLAR	SNOW
BELOW ZERO	NEVE	RIME	SOUTH POLE
BITING	NIPPY	SERAC	STORM
BITTER	NORTH POLE	SIBERIA	WINTER
BLIZZARD			
BOREAL			
CHILL			
COLD WAVE			
DECEMBER			
DRIFTS			
FEBRUARY			
FLOES			
FLURRY			
FREEZING			
FRIGIDITY			
FROST			
GELID			
GLACIER			
GUSTS			
HAIL			
ICEBERG			
ICICLE			

E S N A W S T R O M O R T H P O L T
G I N A I S E N D E C E M B E R E D
N A I R U R O N V I C I T O V A I R
I C I C L E E A E H O W S R W H I I
Z M O T L O W B I H F L O E S O N F
E A M I R D E L I N C D R Z E N N T
E V A C L O L L A S C N F W O F F S
R H S O U T H P O L E I A O V A E T
F A C T O D A M B P O W C L A M B O
I R E T N I W Y O O H H U E A I R U
C H I S L L G P R L Y T A B B V U T
A N C G L E L P E A I R R G L E A H
I G I V I G A I A R U O R O U I R A
T S N N O D C N L O R N S U N S Y G
O V E I B L I Z Z A R D A T L O T E
R V S R T H E T E E L S E J O F E S
E W S T A I R E Y A J A N U Y R A E
F E B R A C B O R R E T T I B U M E

love life

UP IN SMOKE!

One thousand people die each day because they volunteered to perform an act, despite full knowledge that it could kill them. Most of us would find this kind of suicidal behavior very disturbing, even crazy. It is. The action is cigarette smoking! Statistically nearly 1,000 Americans die of smoking-related deaths each day, yet volumes of information, including a warning on each cigarette pack, support the potentially lethal risk involved. Smoking is a very serious health problem. Nationally smoking contributes to an estimated 350,000 deaths each year from cardiovascular disease, lung cancer and other cancers, emphysema and chronic bronchitis.

A recent Surgeon General's Report on Smoking and Health was issued reaffirming that if both adult and adolescent smokers quit and young people would never start smoking, much of the degenerative disease plaguing this nation today could be prevented. This is a mighty firm statement that emphasizes the impact cigarette smoking has on us all.

Studies show that a person who smokes 20 cigarettes a day will lose an estimated 2,370 days of life (6.5 years). The risk of premature death from all causes is far greater for smokers than for non-smokers - including 1.7 times greater from coronary artery disease, six times greater from bronchitis and emphysema and 10 times greater from lung cancer.

Smoking has not always been considered harmful, however. There was a time when it was actually considered "good for your nerves." But in 1964, medical evidence of physical damage caused by smoking surfaced. At that time 42 percent of all Americans smoked. The figure is now 24 percent.

Though kicking the smoking habit is considered difficult, more than 30 million people have quit. Still, far too many people are slowly killing

themselves by smoking. In 1980 Americans smoked 611 billion cigarettes, more than 30 billion packs, which cost buyers \$19.3 billion.

In addition to and as a result of the health dangers, smoking has become a growing economic problem, accounting for nearly \$8 billion in direct health care costs and an additional \$18 billion in indirect costs incurred in lost productivity, wages and absenteeism. Also destruction caused by fires started by smokers costs at least \$293 million.

There are not many good reasons to smoke. Most smokers claim they enjoy it. That simple pleasure - when weighed against premature death, personal expense, health care expense, fire hazards, bad breath, smokers cough, etc. - hardly seems worth it. Studies show that nine out of ten smokers would like to quit if they could. Based on statistics that show 1,000 deaths each day from smoking, they'll quit - one way or another.



SMOKING SEMINAR: Ross Swinehart has announced a seminar on smoking which will begin at noon and 3:45 P.M. on Monday, January 6, 1986 and run for eight sessions, ending Monday, February 4, 1986. The cost is \$100.00 per person, with Crown paying \$75.00 and each person paying \$25.00 at the start of the course. Each person attending all eight sessions will receive a refund of \$25.00. Those who finish the course and go for six months without smoking will be paid an additional bonus of \$50.00.

trapper

hapy nu yer frends
i trus yu al had a saf hollyda
maid yur new resolucins an started
yur new diets yet
well i gess im wel known for my eating habits
sort of like kim curry and dave engstrom
you know where there's food around
im either at the front of the line close by
or on my way
ricentle i herd or i thot i herd somewon
say sumthing about the big mac in the enjinering
dipartmint so i made it mi bisnez to get bak there
i lik hambergirs good as the nex guy
did i git the sirprize of mi lif
this big mac had arms leggs and stood tal
as a redwood tree
bigger than ene ronald mcdonald sanwich i evr saw
if i woodv had wings ida flown
talk about a close enconter
i wuz almos made mince meet
im sur i will nevr hurry to git a big mac agin
oh wel i nevr likd the specil sauce eniway
but since then i hav herd enjinerings big mac
is pritty likable



welcom to crown big mac

vital statistics

NAME : MARC MILLER

BIRTHDAY: APRIL 23 - EVERY YEAR!

BIRTHPLACE: Goshen General Hospital

DEPARTMENT/POSITION: Specialty Dept., Supervisor

CURRENT HOME: Goshen, IN

MARITAL STATUS: Newly wed - still!

CHILDREN: (3 - Two '75 Firebirds & special child, the Pacer)

PROJECTS WORKING ON: Dining room chairs, new tech benches, work bench.

FIRST JOB: Sanitation Engineer

FAVORITE BOOK: Bible (one with pictures)

FAVORITE FOOD: Pizza

FAVORITE PERFORMER: Bill Cosby, (Gary Ewing), Andy Rooney

FAVORITE TELEVISION SHOW: WKRP, Knots Landing, Garfield shows

HOBBIES AND INTERESTS: Woodworking, electronics, electricity

FAVORITE CHILDHOOD MEMORY: Still remembering because I haven't left my childhood yet.

PERSONAL HEROES: Jesus; Bob Leininger; Bob Schuller; Devo; Donald Duck; Jerry Lewis

EVERY NEW YEAR'S I RESOLVE: To treat others more thoughtfully and kindly.

NOBODY KNOWS I: Am a serious person.

MY WEAKNESS IS: Pizza, chocolate, or a chocolate pizza.

THE BEST JOB IN THE WORLD: If I made \$40,000 more a year, I'd have it now.

IF I WERE GOING TO THE MOON, I'D TAKE: My wife, Pizza Hut, all the other nice things on earth.

THE ONE THING I CAN'T STAND IN PEOPLE: The evil that can exist in people.

THE WORST TIME OF MY LIFE: Fridays when we have a lot to ship and the ends of the months when we ship anything and everything.

THE BEST TIME OF MY LIFE: When we have shipped all we are supposed to; when I get home to my wife; when I get to sleep in.

IF I'VE LEARNED ANYTHING IN LIFE, IT'S: You never stop learning; we'll never understand everything in this life - somehow it works for the good of God; cats are cool; people can be so neat doing simple things if you just watch them; there is no such thing as a Project Coordinator; anger gets you nowhere in the long run. Jesus can help us through this life and we should trust him; everybody needs love; pizza makes you fat.



employee committee report

Month of DECEMBER, 1985

Balance as of 12-9-85 \$ 1295.52*

Income (Receipts):

- Bertsch \$ 1270.75

- Miscellaneous** \$ 487.52

TOTAL RECEIPTS + \$ 1758.27

TOTAL TO ACCOUNT FOR: \$ 3053.79

Expenditures:

- Baby Gifts \$ 19.36

- Ice Cream \$ 82.43

- Flowers \$ 37.80

TOTAL EXPENDITURES - \$ 139.59

BALANCE (IN CHIPHONE***) AS OF 12-31-85. \$ 2914.20

*Regular Shares + Share Draft.

**Deposit not previously reported + Interest year-to-date.

***Monies are being directed into savings and checking accounts.

NEW OFFICERS AND MEMBERS FOR 1986:

CHIP ESTEP - PRESIDENT

MARY MILLER - VICE PRESIDENT

RANDY SECOR - SECRETARY

DAVE JUDAY - TREASURER

GRETCHEN NEELY - HOSPITALITY CHAIRMAN

COMING EVENTS:

ROLLER SKATING PARTY - DATE TO BE ANNOUNCED.



milestones

Don Eger	22 years
Paul Gerard	15 years
Gene Gevaert	12 years
Steve Scholfield	12 years
Ken Bontrager	10 years
Lynn Scholfield	7 years
Martha Pritchard	7 years
Wayne Royer	6 years
Richard Baker	6 years
Jim Bumgardner	4 years
Brenda Lawrence	3 years
Sherri Miller	3 years
John Brosius	2 years
Deann Berden	1 year
Tim Keppers	1 year
Gretchen Neely	1 year
Chris Terry	1 year
Rod Growcock	1 year
Leona Pearce	1 year
Sherri Matthews	1 year
Kim Doan	1 year

5. VISITING RELATIVES

During his summer vacation, John decided to visit some of his relatives—his cousin, his parents, his uncle, his nephew and his brother—who all live in different cities. The five cities they live in are St. Louis, Denver, Miami, San Francisco, and Boston. John used five different means of transportation to get from one city to another. He went by car, plane, bus, train, and motorcycle. From the clues given, try to determine the city in which each of his relatives live and the means of transportation John used to reach there.

1. He arrived by plane and bus at the two cities which are not on the coast.
2. His uncle and his cousin live on the east coast.
3. His nephew met his plane when he arrived.
4. He did not arrive at his uncle's city by car and his uncle does not live in Boston.
5. He did not go by bus to St. Louis or to visit his parents and he did not go to his cousin's city by train or car.



happy birthday!

JANUARY

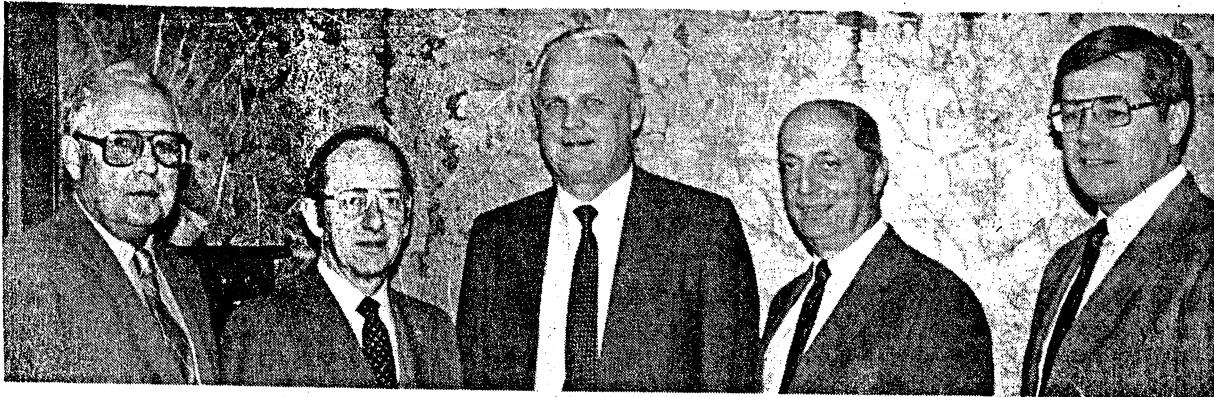
1	Dan Lutz
3	Julie Gushwa
4	Michael Branch
5	Kim Doan
6	Marcia Gall
6	Tim Kueppers
7	Drew Frailey
8	Craig Schroeder
9	Brent Scholfield
10	Barbara Cauffman
10	Russ Jones
12	Randy Secor
11	Scott Rombke
14	James Mahler
14	Verne Searer
13	Deb Granger
14	John Flanagan
15	Jackie Gibson
17	Jim Moyer
18	Patrick Trafny
18	Sarah Moreno
19	Ann Schrock
20	Doris Howard
22	Steve Myers
24	Renee Meyer
25	Vicki Chamberlain
25	Don Eger
25	Dan Griffin
27	Linda Paris
31	Dave Engstrom
31	Lisa Wynn

ANSWER TO "VISITING RELATIVES":

	COUSIN	PARENTS	UNCLE	NEPHEW	BROTHER	ARRIVED BY				
						CAR	PLANE	BUS	TRAIN	CYCLE
ST. LOUIS	✓	✗	✗	✗	✗	✗	✓	✗	✗	✗
DENVER	✗	✓	✗	✗	✗	✗	✗	✓	✗	✗
MIAMI	✗	✓	✗	✗	✗	✗	✗	✗	✓	✗
S.F.	✓	✗	✗	✗	✗	✗	✗	✓	✗	✗
BOSTON	✗	✗	✗	✗	✗	✗	✗	✓	✗	✗
ARRIVED BY	CAR	✓	✗	✗	✗	✗	✗	✓	✗	✗
	PLANE	✓	✗	✗	✗	✗	✗	✓	✗	✗
	BUS	✗	✓	✗	✗	✗	✗	✗	✓	✗
	TRAIN	✗	✗	✓	✗	✗	✗	✗	✓	✗
	CYCLE	✗	✗	✗	✓	✗	✗	✗	✗	✓



personnel paraphernalia

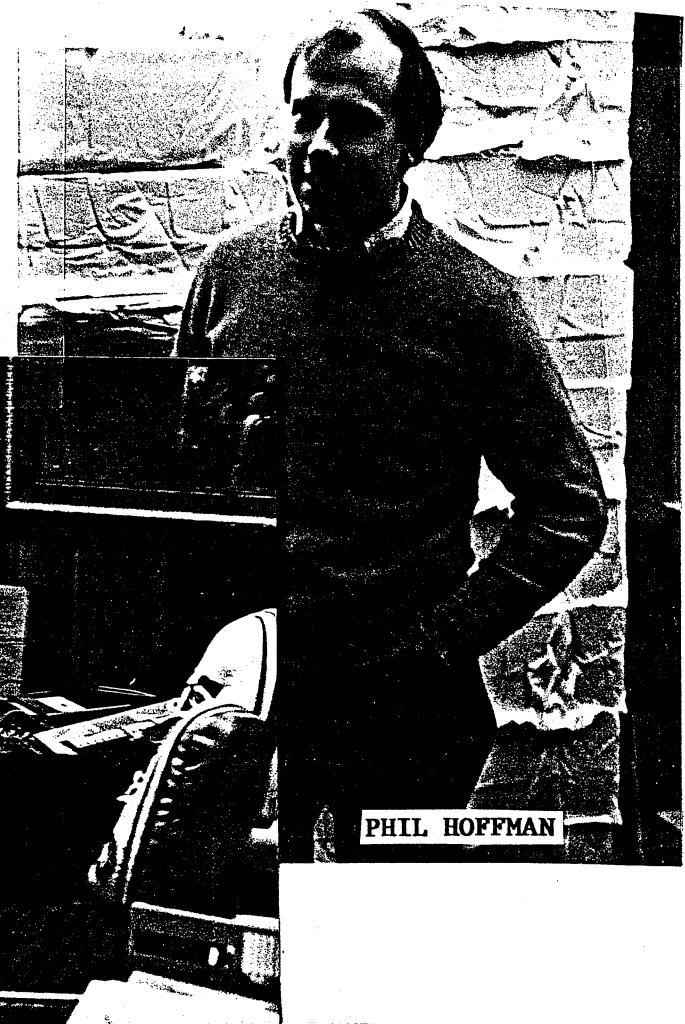


Chamber has new directors

New directors of the Greater Elkhart Chamber of Commerce stand with Dick Jensen (center), chairman of the Chamber board for 1986, after the Chamber's annual board meeting at Elkhart Country

Club. They are (from left) Al Spahn, Max Schofield, Jensen, Dick Treckelo and Mike Thomas. (Truth Photo)

Favorite Christmas gifts have to include the large comfy shoes of **JIM BEATTIE**, **JIM BUMGARDNER**, and **LARRY SHANK** from John Frigaard with JND in San Francisco.



Former Crown Factory Service Manager, **PHIL HOFFMAN** visited during the Christmas holidays. Phil is now living in Hesston, Kansas.

personnel paraphernalia



KIM NGUYEN DOAN was feted with two specially decorated cakes in honor of her recently becoming a citizen of the United States. Congratulations again, Kim!

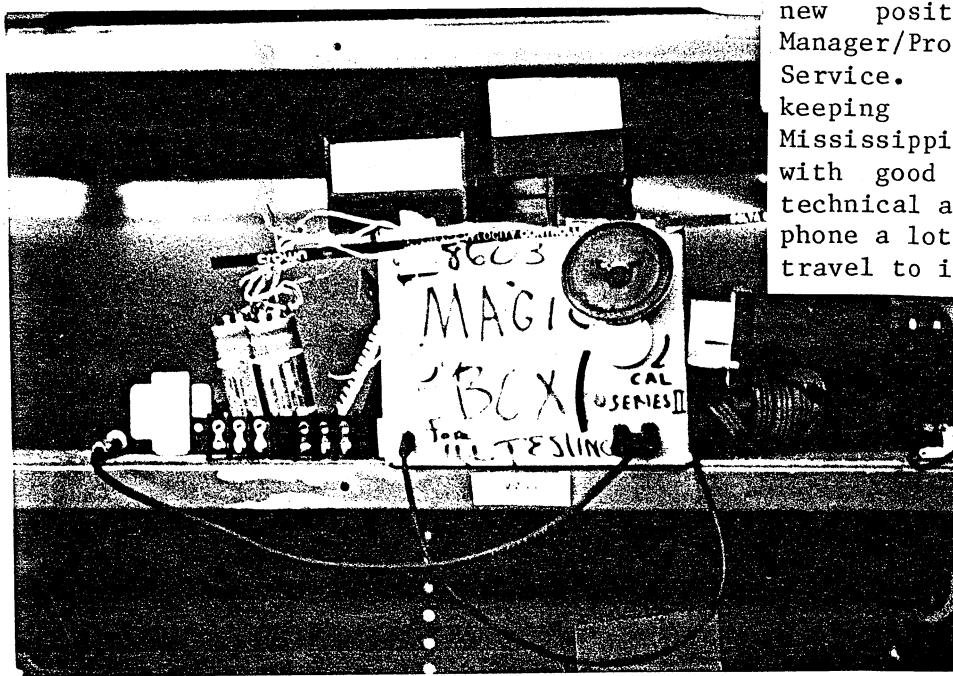
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JIM & SUE BUMGARDNER on the birth of 7 1/2 lb. Michael James at 1:01 P.M. January 2nd. All are doing well. Michael has wide shoulders we hear!

ED COLLINS and **FAB** for having one of the most elegant of the small line trees for Christmas!



CROWN PHOTOGRAPHER DON PETERSON on his new position as Regional Service Manager/Product Specialist in Customer Service. He will be in charge of keeping customers west of the Mississippi, including Louisiana, happy with good service, problem diagnosis, technical advice etc. He will be on the phone a lot but will also be required to travel to installations and shows.



PLEASE NOTE - NEW EQUIPMENT! It's a SERVICE DEPARTMENT original! - some type of "hybrid" we hear!

CONGRATULATIONS TO ALL OF THE FOLLOWING:

JEAN GRIFFIN and **PEGGY SAYLOR** promoted to Night Coordinators on Line 7 and QA, respectively.

JACKIE DYGERT GIBSON (Line 6) on her marriage Nov. 23rd to Dale Gibson who works at Honey RV, across from Crown.



CYNTHIA CROW TOMLONSON (Paint Line) on her recent marriage to Pvt. Brian Lee Tomlonson on Dec. 7th at the Brenneman Memorial Church in Goshen. Brian just left for Germany where Cindy hopes to join him in the spring.

new employee profiles

NAME: Cynthia Fletcher

BIRTHDAY: May 10

DEPARTMENT: Assembly

POSITION: Data Entry, Lines 4/5, Modules

HOBBIES & INTERESTS: Swimming, boating, skating, being with my family, active in Jimtown Booster Club

AMBITIONS OR GOALS FOR THE FUTURE: To complete GED and take a secretarial course

HEARD OF CROWN THROUGH: A friend



NAME: Alan D. Wigent

BIRTHDAY: July 8

DEPARTMENT: Engineering

POSITION: Photo Lab Technician

HOBBIES & INTERESTS: Coin collecting, belong to Elkhart Coin Club, Goshen Coin Club, Mishawaka Coin Club

AMBITIONS OR GOALS FOR THE FUTURE: To live a long, happy life and enjoy everything I do

HEARD OF CROWN THROUGH: Mike Haun



NAME: Leanna Scherer

BIRTHDAY: July 14

DEPARTMENT: Fabrication

POSITION: Metal Fabrication

HOBBIES OR INTERESTS: Horses, children and books

AMBITIONS OR GOALS FOR THE FUTURE: To become a foreman or a supervisor

HEARD OF CROWN THROUGH: A friend



NAME: Sarah Moreno

BIRTHDAY: January 18

DEPARTMENT: Quality Assurance

POSITION: Inspector

HOBBIES & INTERESTS: Ceramics, bowling,
YMCA racquetball

AMBITIONS OR GOALS FOR THE FUTURE:
To have a family

HEARD OF CROWN THROUGH: A friend, Donna
Gaskill



NAME: Renee Meyer

BIRTHDAY: January 24

DEPARTMENT: Assembly - Line 6

POSITION: Assembler

HOBBIES & INTERESTS: Like to draw and
paint, exercise, aerobics

AMBITIONS OR GOALS FOR THE FUTURE: I
just hope to have my own house some day.

HEARD OF CROWN THROUGH: Friends and
relatives who work here



NAME: Christopher Saylor

BIRTHDAY: April 7

DEPARTMENT: Fabrication

POSITION: Swing Person

HOBBIES & INTERESTS: Cars, working out,
running, football, hacky sack, racing

AMBITIONS OR GOALS FOR THE FUTURE: To
do the best that I can do for myself and
Crown

HEARD OF CROWN: THROUGH: Parents



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NAME: Scott Gay

BIRTHDAY: October 25

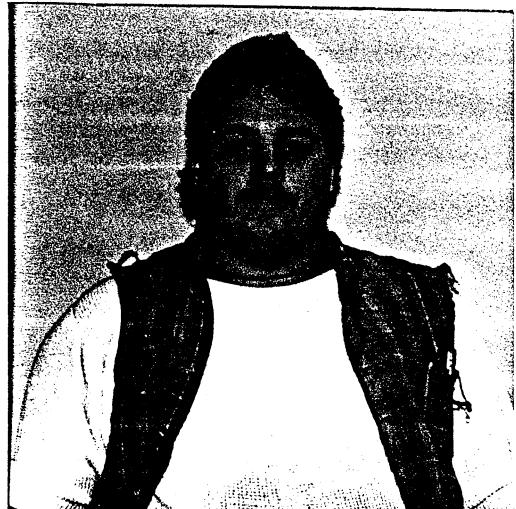
DEPARTMENT: Fabrication

POSITION: Machine Operator

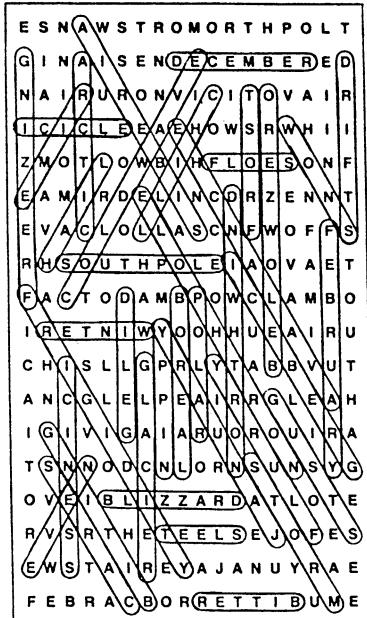
HOBBIES & INTERESTS: Auto mechanics, Super Pro bracket racing, bowling

AMBITIONS OR GOALS FOR THE FUTURE: Work toward owning my own home, being issued my NHRA competition drivers license

HEARD OF CROWN THROUGH: A friend



ANSWER TO "WINTER WEATHER" PUZZLE:



BABY FACES: From Left to Right - Eric, Jeff, Dave, and Kim Stuber

□ □ □

Pat Boone, entertainer: "A person's whole future, his whole sense of identity, belonging, and purpose may never become clear until he starts with his spiritual growth. There isn't any other way to become a sound individual, to learn to love where we have hated, to replace fear with confidence, to erase doubt with faith."

try this!

Stenciled Rabbit

