

melpar-a-graph

MELPAR, INC.

A SUBSIDIARY OF WESTINGHOUSE AIR BRAKE COMPANY

Volume 13, Number 5

August 1968

CHAMBERS ELECTED PRESIDENT



Jay V. Wilcox



J.P. Chambers



T.D. Kelly

The Board of Directors of Melpar, Inc. made the following changes in the Melpar corporate offices effective August 1, 1968:

Jay V. Wilcox, elected Chairman of the Board

J. P. Chambers, elected President and Chief Executive Officer and a Director

T. D. Kelly, elected Vice President in addition to Treasurer and Assistant Secretary.

Mr. Wilcox moves to Chairman from the position of president which he has held since joining Melpar in December 1965.

Jay V. Wilcox established the Wilcox Electric Company in 1931. He is also a director of the Union National Bank

of Kansas City and several other corporations in the Kansas City area.

Mr. Chambers joined the Company in 1947 in an engineering capacity. He has held several important posts over the intervening years, becoming assistant to the vice-president for contract management in 1961; and Vice President and Acting General Manager in 1967. He is a graduate of VMI and has completed graduate studies at Harvard and MIT.

Mr. Kelly served as budget coordinator immediately prior to his appointment as treasurer in 1967. He has been associated with the Company since 1958. He is a graduate of VMI and holds a master's degree in business from Harvard.

MELPAR RECEIVES \$675,000

CONTRACT FROM WILCOX ELECTRIC

Melpar has received a \$675,000 contract from Wilcox Electric Company for the design, development, test and evaluation of 8 UHF AM Transceivers, AN/GRC (), including all programs, plans, reports, demonstrations, analyses, estimates and other tasks.

The contract has been assigned to the Radio Frequency Laboratory under the direction of **Neal Ishman**. It is part of an \$8 million Air Force contract which calls for delivery of 2268 UHF ground-to-air transceivers awarded to Wilcox by the U. S. Air Force Logistics Command, Oklahoma City Air Materiel Area.

(Continued on Page 5)

FIRST SIX MONTHS

EXCEEDS \$12 MILLION

S. L. Dance, Vice President, Marketing, has announced that new business booked in the first six months of '68 exceeded \$12.2 million. June bookings alone totalled almost \$3 million.

The larger break-out of these bookings by organization showed Engineering with \$6.5 million, Research with \$3.1/3 million, Manufacturing with \$1.1/3 million, Telecommunications with \$1 million, Special Products with \$1/3 million.

W. D. Eberle, President American-Standard



W.D. Eberle

Mr. Eberle is president and chief executive officer of American-Standard and a director of the company.

A native of Boise, Idaho, he received his AB degree from Stanford University in 1945, a MBA degree from Harvard University Graduate School of Business in 1947 and a Bachelor of Law degree from Harvard University Law School in 1949.

He joined American-Standard as a director in 1966 and was named president in September of that year. He became chief executive officer in April 1967.

Prior to that he was vice-president of Boise Cascade Corporation and a partner in the law firm of Richards, Haga & Eberle. He served as a member of the Idaho House of Representatives from 1953 to 1963 and was a lieutenant in the U. S. Navy from 1944 to 1946.

Presently, Mr. Eberle is a director of the National Industrial Conference Board, the Atlantic Group of Insurance Companies, the Young Presidents Organization, a trustee of the African American Institute, and a member of the Council of Foreign Relations, the University Club, New York City, and the New Canaan Field Club. He is also a member of the American and Idaho Bar Associations.

Wither & Wence?

The height of the vacation season finds Melpar employees scattered to the four winds. Here are a few of the highlights:

Bill and Georgia Watson went to Maine where they embarked on a masted schooner out of Camden for a week's sail. **Virginia Mullenax** visited relatives in Moundville, W. Va., then continued her vacation in Niagara Falls and Canada.

Morris Fisher's 4 week European tour took him to Israel, Rome, France, England and Germany. **Pete McConnell** flew his plane to various points in New York state, **Joe Paljug**, **Mary Amorosi**, and **Ed Rose** went to the Wildwoods, N. J. via the Cape May-Lewes Ferry.

Jerry Rand honeymooned in Puerto Rico, and **Bill Breads** visited Rome and Syracuse, N. Y. **John Makarczyk** toured Cape Cod, **W. C. Brown** and **Charles Wild** chose Myrtle Beach, S. C. for their vacations.

Ocean City, Maryland, and Rehoboth Beach, Delaware, were popular spots for several Melparites including **Dr. J. C. Kim**, **Vivian Sweeney**, **Georgia Wilson**, **Betty Kreitzer**, **Jack Dodd** and **Bill Braun** took a shore line beach-

buggy trip from Ocean City and Assateague Island to the Virginia state line.

George Hibner, **C. O. Forbes**, **Jean Berry**, **Mary Duggan** and **Glenna Saunders** went to Florida. **Glenna** went on from Miami to the Bahamas and Jamaica.

Helen Brown drove non-stop to Milwaukee to visit her son, **Mel Hunt** took the family by plane to Grand View, Idaho and Dayton, Oregon, to visit relatives; **Steve Bush** is heading for his home town, Battle Creek, Michigan and will take a camping trip to the Porcupine Mountains.

Mary Jane Morgan flew to the Virgin Islands and **Bess Lee** flew to Grand Forks, N. D. where she joined a family caravan on a motor trip to the High Sierra's in California.

Ethel Case joined the Emerald Shillelagh Chowder and Marching Society on a flight to the Canadian ranch country in Calgary where she attended the Stampede (a rodeo) and visited Lake Louise and Banff.

Jeannine Heath flew to Texas to see the Hemisfair, the LBJ Ranch, Canyon Lake, Aquarena Springs and San Marcos.

Nags Head, N. C., attracted **Lee Delaney**, **Louise Hobbs**, **Ed Connelly**

and **Mabel Lee Bradley**. **Eugene Kaiser** flew to Spain where he toured the Mediterranean, Malaga, Grenada, Toledo and Morocco. **Mary Lee Wood** took a European spree to England, Austria, Switzerland, Italy and Greece.

Verna Wade toured the Pennsylvania Dutch country and played golf at Bedford Springs and Lancaster. **Grace Smith** drove to Las Vegas where she gambled a bit, then went on to Colorado to sight-see at Denver and Pike's Peak. **Virginia Thompson** travelled to Ithaca, New York, to see her son. **Barbara Feehan** favored Pinehurst, N. C. for swimming and horseback riding.

The Smoky Mountains attracted **Ruby Buser** and her tour covered South Carolina, Tennessee and Georgia. **Don Rose** went fishing at Long Beach, N. C.; and **Dr. Tom Owen** went fishing for large mouth bass at Horseshoe Lake on the Mississippi River.

Tony DePasquale took a 5500 mile camping trip to the western United States via the northern route and **Tom Wood** logged 6500 miles on a western tour through Arizona, Utah and Colorado. Last but not least, **Joel Finkel** went sight-seeing in Washington, D. C. to avoid the crowds.

MILLER PRAISES TEAM EFFORT

The Special Projects Laboratory under the direction of **A. J. Wavering** and Project Engineer **S. C. Feild** recently completed initial deliveries on a quick reaction type program. This was an outstanding accomplishment calling for design and production of hardware in less than three months after contract award.

R. E. Miller, Vice President for Engineering sent a letter of commendation to each member of the team. The letter read in part: "I want to congratulate you on the splendid accomplishment of having delivered the first complete device one day early and the following five exactly on schedule. Your management is very proud of your achievement and we thank you sincerely for your outstanding efforts."

The following employees received the congratulatory letter:

F. A. Behrens	R. L. Rosenblum
N. L. Cutter	J. B. Tompkins
F. A. Deviney	M. A. Halahan
S. C. Feild	F. C. Kasprzak
A. Y. Lee	E. C. Langfeldt
R. E. Munczenski	W. F. Vivori
A. J. Wavering	



Austin G. Roe presents patents to Melpar Inventors, Mike HacsKaylo, William P. Asten and Fred Behrens.

The Patent Picture

Six new patents were issued by the U. S. Patent Office recently, increasing the total number held by Melpar to 165.

Consulting Project Engineer **Fred-erick A. Behrens** was inventor of the "Rapidly Starting Oscillator", an oscillator circuit in which full amplitude oscillations are achieved within a small fraction of one cycle of the r-f output frequency. It is an extremely simple and reliable oscillator circuit.

Senior Electrical Engineer **William P. Asten** was the inventor of "Reasonator," an electro-magnetic resonator of the tuning fork type in which one tine of the fork is anchored, while the other tine and the leg joining the two tines are free to oscillate so that substantial vibrations in both the tuning fork and reed models are attained.

The third patent, "Static Anemometer" concerns a simple, low cost, rugged anemometer particularly adapted to measure wind speed with moderate accuracy under extreme environmental conditions such as an ocean-going buoy. The inventors were Charles W. Martin and Lee P. Herring-ton.

Dr. Charles Feldman was the inventor of "Rhenium Thin Film Resistors." This invention relates to a thin film resistor which has stable electrical characteristics for wide temperature values and long time periods. The resistor does not deteriorate when it is exposed to air or water, has reasonable resistance values and does not materially change its characteristics as temperature conditions vary.

Michael HacsKaylo and Richard C. Smith received a patent for "Capacitor Having Dysprosium Oxide Dielectric." This patent relates to a thin film capacitor which is electrically and mechanically stable at high temperatures and to the method of fabricating the dielectric.

Charles D. Adams was the inventor of a patent issued to Melpar entitled "Extendible Boom." This invention is lightweight and capable of sustaining internal pressure to improve its rigidity, can be stored compactly and could be used for antennas for space vehicles, satellite appendages and gravity gradient devices.

ATTENTION BOAT BUILDERS

MEET THE MISS-FIT

Senior Technical Writer **Ray Rundell** has completed building a 22' luxury cruiser from a Luger fiberglass boat kit.

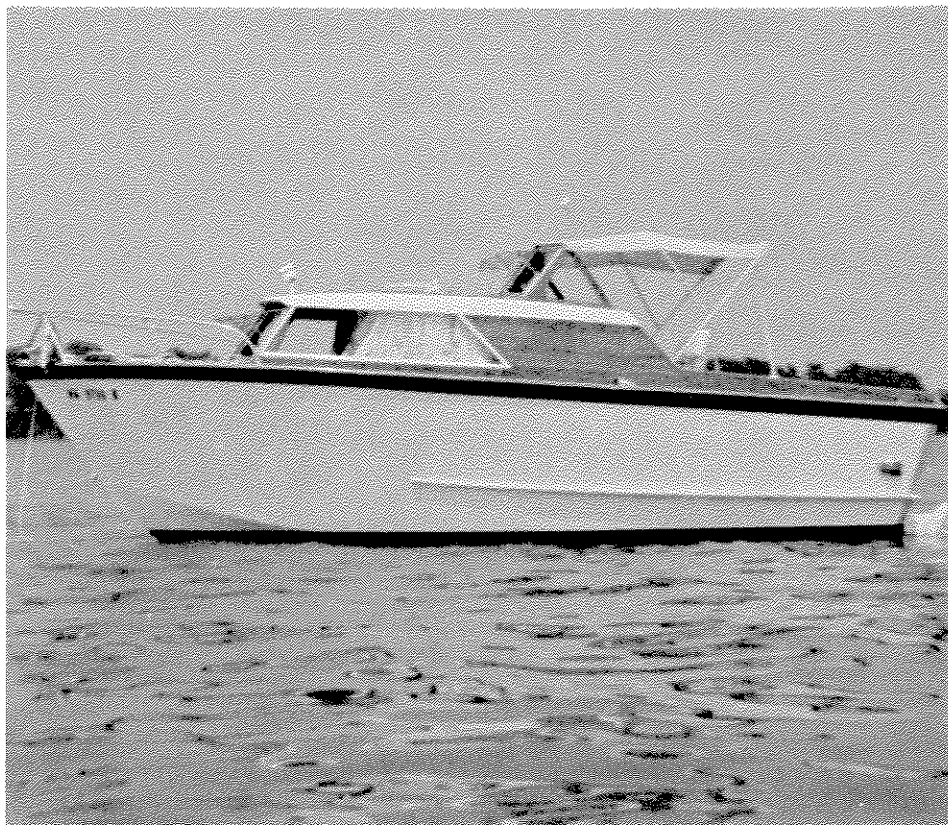
With the help of his wife Ruth, their daughter, Donna and her boyfriend George Absher, ("Trey") they started building in the back yard of their home in May 1967. The team worked all summer long and by November it was almost complete except for installing the engine and final trim painting. Much of the work involved fiberglassing, which Ruth measured and cut, Ray soaked with resin and Trey put in place and did the final application. Donna and Ruth did most of the painting and waxing of the boat as well as doing the leg work, bringing tools, fixing lunches, etc.

The basic kit comes in six major molded fiberglass parts: hull, two sides, transom, deck (two split parts) and the molded cabin roof. The boat is assembled out-side in and up-side down, at the start. Its length is 22'2", width, 95", cabin headroom, 78" and weight, with engine, approximately 2200

pounds. It has a built-in galley, 2 burner alcohol stove, sink, fully enclosed head, convertible dinette (seats 4, makes into a 5' bunk) two bunks 74 x 30, flying bridge windshield, 110 inboard Volvo engine which burns approximately 3 1/2 gallons per hour.

Ray put the boat in the water in June 1968 and christened it "Miss-fit" because of the difficulty he had making the parts fit. He and his wife took a week's boating vacation immediately and have spent every week-end cruising since. They have made two trips; one, 22 miles to Mount Vernon, and to Pope's Creek. Just below Pope's Creek there is a measured half mile where the boat clocked a speed of 17 mph at 3600 rpm and 21 mph at 4000 rpm. This was done before the 20 hour break-in engine tune up. The boat is berthed at Les McCeery's Marina at Aquia Creek.

The kit builder's slogan is "the work is done, the rest is fun". Ray says it really was fun building it, but there was a lot of work involved, and well worth it, too.



The "Miss-fit"

WIPE OUT WASTE

Improve Efficiency and Economy

Only you can help Melpar accomplish the above goals because *you* are in the driver's seat:

- You know your job better than anyone else
- You know where the hidden costs lie
- You know where duplication exists
- You know where the flow of work is delayed

Your own work area usually is the best starting place for the development of a worthwhile suggestion. Ask yourself the following thought-provoking questions about your job:

- 1) **To Save Money**—What are the most expensive tools, materials, supplies or equipment I use, and what could I be using instead to produce equal or better results at less cost?
- 2) **To Reduce Waste**—What in my mind, seems to be a waste of materials, space, effort, or money, and—if I were paying the bills, how would I go about reducing that waste?
- 3) **To Make My Job Easier**—Which parts of my job seem the most difficult to do, and what methods, procedures, tools or equipment would make them easier to do?
- 4) **To Improve the Product**—What materials, supplies or products I work with could be improved upon, or added to, to increase their value and make them even better than they are now?
- 5) **To Make My Job Error Free**—What present methods, procedures or techniques connected with my job create potential for producing errors and what can be done to eliminate these pitfalls?
- 6) **To Improve Other Jobs or Products**—Now that I've concentrated on my own particular job, what have I observed along these lines and what ideas can I suggest for the other jobs in my department and for other Departments?

Submit your answers to our Cost Reduction Administrator now to simplify this task. Use Form GO-340 which is available at the EIP Displays located throughout our plants and at stationery stores.

YOU can get recognition and up to a \$200.00 U.S. Savings Bond for every one of your answers which is accepted and implemented. Don't delay—do it today!



MEET THE CHAMPIONS . . . Melpar had double reasons to be proud of the internationally famous, undefeated J E B Stuart High School Crew Club when it won the Princess Elizabeth Challenge Cup in the Henley Regatta in England recently. Two of the crew members are sons of Melpar employees. Pictured here with the crew are Mike Hacskaylo, (top row with glasses) and Dave Oglesby, (top row, second from right) sons of Melpar supervisors Mike Hacskaylo and Dave Oglesby. On their return from England, they received congratulations from President Johnson at the White House.

THE ROCKVILLE BIOENGINEERING LABORATORY

Know Your Company . . . This is the third in a series that appears in the Melpar-a-graph as a matter of interest to Melpar employees, explaining the functions of our various laboratories and departments.

The Rockville Section of the Bioengineering Laboratory houses a complete surgical facility that is presently engaged in the evaluation of the physiological effects of artificial heart devices in animals for the Artificial Heart Branch of the National Heart Institute of the NIH.

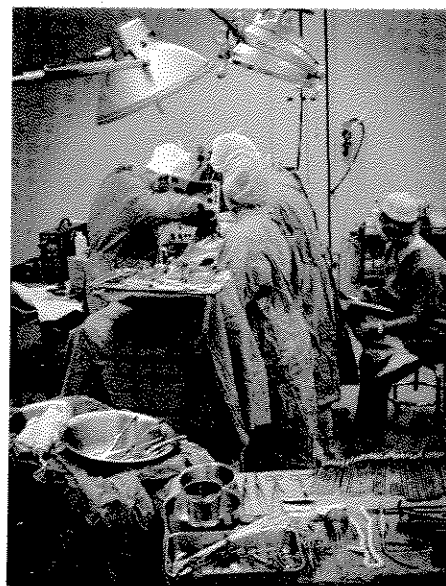
The laboratory is equipped for a wide range of cardiovascular surgical procedures and includes a heart lung bypass machine which will enable total heart replacements, both natural and artificial, to be performed in the future.

Complete physiological studies on the subject animals include blood pressure and flow measurements in the heart and blood vessels. This information is available for immediate display and is fed to a central data collecting point where it is stored on tape for evaluation and future reference. Blood chemistry and morphology examina-

tions are carried out in a clinical laboratory comparable to those in most modern hospitals.

Outstanding performance during the past year has resulted in a continuation of the above contract at \$245,000 for the coming fiscal year.

The laboratory is under the direction of **David M. Speaker**.



An actual operation in progress at the Rockville section of the Bioengineering Laboratory.

GOING UP!

Congratulations to the following employees who have received recent promotions: **N. K. Davis, D. A. Dailey, F. L. Corcoran, R. L. Pearson, W. D. Piggott** and **E. L. Kelly** were promoted to Design Engineers and **R. C. Little** rose to Senior Manufacturing Engineer.

E. F. Bruning moved to Meteorologist, **D. B. Druva** to Electrical Engineer, **S. J. Delanni** rose to Inspection Supervisor and **Dr. J. D. Cornwell** was named Branch Supervisor.

What's In a Name?

Paul Revere holds a prominent but perhaps undeserved place in the history of our War of Independence, because Henry Wadsworth Longfellow apparently found that Revere's name rhymed more easily than that of William Dawes, the patriot who actually made the famous ride of warning. Both men rode out from Boston that night, but Revere was soon captured rather ignominiously by British troops, and Dawes completed the ride that made possible our victory at the Battle of Lexington and Concord the next day. Dawes had no versifying publicist, however, and Revere got the credit.

OBITUARIES

STEVE ALLEN FUNKHOUSER 1951-1968

Steve Allen Funkhouser died on July 22, 1968 as the result of a motorcycle accident.

Steve joined Melpar on May 21, 1968 as a part-time Custodial Assistant on the night shift.

He resided with his mother in Vienna, Virginia and was a student at George C. Marshall High School.

CHARLES R. MOFFATT 1927-1968

Charles R. Moffatt passed away on June 26, 1968 after a brief illness. He had been employed by Melpar since January 1966 as a Vent Equipment Mechanic at Shirley Research.

A native of Kansas, he resided with his wife in Suitland, Maryland, at the time of his death.

Melpar will miss the services of this highly skilled mechanic.

COMPUTER CHANGES

Richard F. Jones, Director of Information Services, has announced the following changes in computer services:

- Eliminate IBM 360/40
- Make available two computers at WABCO Data Center in Pittsburgh, one an RCA Spectra 70-45 to run IBM 360/40 programs and an RCA Spectra 70-25 for input/output. The WABCO Data Center was established in 1966 to serve corporate systems and information processing needs on a centralized basis. The RCA Spectra 70-45 is faster and more powerful than the IBM 360/40 and has a larger set of FORTRAN instructions.
- Acquire two Mohawk off-line printers. The Mohawk off-line printers are an addition. They will provide printing capability at a very low cost.

Communications between Melpar and the Data Center will be magnetic tape to magnetic tape via WATS telephone lines using Mohawk Data Recorders.

- Upgrade DDP 224
The DDP 224 will be upgraded by the addition of floating point hardware, index registers and by replacement of the tape drives with faster drives.

The results of these changes will improve our competitive position by cost reduction through use of the RCA Spectra 70-45, and will increase flexibility through addition of the RCA Spectra 70-24 and Mohawk off-line printer.

YOUR ATTENTION, PLEASE!

OFFICE HOURS FOR GROUP INSURANCE CLAIMS

We again call your attention to the office hours presently effective for processing hospitalization claims. **FALLS CHURCH**—1 P.M. to 4 P.M. Group Insurance Desk, Personnel Ext. 2317

SHIRLEY RESEARCH—10 A.M. to 2:30 P.M.

Plant Nurse, Ext. 3832

Your cooperation in observing these hours is earnestly requested.

New 5-In-One Purchase Requisition Provides Short Cuts In Paperwork

Melpar's Purchase Requisition, Form PUR-100, has been revised and is available in Stationery Stores. It is designed to be a multi-purpose document—the basic means whereby a requisitioner identifies requirements to be purchased. In many instances, the original preparation of the Requisition perpetuates and becomes a record of procurement actions, receiving reports and inspection records. It may also become a record of final payment to sellers and support for job charges.

The revised Requisition is now the only form available for use by requisitioners to request purchase of supplies, services or equipment. Previously used forms PUR-100, PUR-204, Request for Purchase on Open-end Order, and PUR-266, Low Value Purchase Order, are obsolete and have been withdrawn from Stationery Stores. All supplies of these forms on hand are to be destroyed. For purposes of preparation, the revised form is self-explanatory.

Effective 1 July 1968, Purchasing Agents and their Buyers began using the new PUR-100 as purchase order documentation when placing calls upon previously negotiated blanket orders that do not require written confirmation. Also, Buyers may use the new PUR-100 as purchase order documentation for other telephone orders when the Seller does not require written documentation.

There are, of course, limitations governing use of the new form for purchase order documentation, and under these conditions buyers process the Requisition for preparation of a Purchase Order, PUR-101, as written confirmation of the order.

Many worthwhile value improvement suggestions prompted a detailed study which resulted in the latest revision to the Purchase Requisition. The interest shown by so many people contributed in large measure to the design of the form and its implementation.

MELPAR RECEIVES WILCOX CONTRACT

(Continued from page 1)

The award represents part of a multi-million dollar UHF modernization program now being conducted by the Air Force. Deliveries are scheduled to start early in 1969 with shipments continuing through 1972.

The Melpar contract is scheduled for completion in May 1969.

TWENTY-ONE EMPLOYEES TO BE HONORED AT JULY/AUGUST PIN LUNCHEON

TWENTY YEARS



C. F. Wojtunik

FIFTEEN YEARS



W. P. Asten



J. W. Blevins



V. L. Cummiskey



Helen P. McCarthy



D. J. Ralph

TEN YEARS



C. B. Abbott, Jr.



Helen I. Abie



W. C. Brown



D. F. Guinn



T. D. Kelly



J. A. Makarczyk



Lillian I. Mazzo



R. L. Pearson



G. W. Pierce, Jr.



D. E. Rowland



E. E. Swartz



Charlotte L. Taylor



G. W. Tuck



A. J. Wavering



Corneva B. Wiggins

Twenty-one employees will be honored guests at the July/August service pin luncheon to be held in the cafeteria on August 21st.

The scoreboard for total pins presented now reads: 20 year pins, 13; 15 year pins, 115; and 10 year pins, 730.

The Telephone—A Business Tool

The telephone is so much a part of our daily lives that it is taken for granted and we forget its limitations and how to use it to the best advantage of all.

Our WATS service consists of five lines covering all points in the continental United States except Virginia. Only two of the lines will reach the more distant parts of the country. These lines are available, for business, at all times, but they are much in demand; there is often a long waiting list for each line, but really urgent calls are given priority.

The switchboard closes at 5:15 PM and the operator has been instructed to advise any person receiving an outside call or using the WATS line at that time that the board is closing. She will request them to complete their call within the next few minutes or to hang up and finish their call over the night connections. From 7:45 AM until 5:15 PM, call 2171 to request a WATS line. At other times, consult your Melpar directory.

There is no need to tie up the WATS line calling for long distance information; the operator will obtain this information for you. Use of WATS lines for personal calls is a violation of our use agreement and could result in termination of the service. Furthermore, use of the lines after 5:15 PM is heavy for business calls to the later time zones.

We believe that most employees will agree that the absence of constant paging is a relief. This has been accomplished only by the constant monitoring of all requests for paging and by repeated attempts on the part of the operators to locate the wanted parties.

Employees are once again urged to notify Office Services, extension 2720, when their phone numbers change. It's easy to forget—but remember the operator can't see you and doesn't know when you move.

Adversity causes some men to break; others to break records.

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