

THE  
**Elks**  
MAGAZINE  
DECEMBER 1970

in this issue:  
*Conquest of the Oceans*  
*A Christmas Carol*  
*SST Rebuttal*  
*Travel-Ireland*







# NEW HEAVY-DUTY MODEL ENGLISH FLAME GUN



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**A Message from the Grand Exalted Ruler**

**Charity  
To All  
Mankind**



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---

THERE IS RARELY a Lodge of Elks at Christmastide which does not in some way enhance its own wealth by giving to others and by sharing its own material happiness.

---

WHAT A GREAT THRILL it is to kindle in the eyes of the less fortunate, both children and adults, the light of unexpected happiness!

---

A TRUE ELK does not stop, however, with the delight of sharing just at Christmas.

---

HE WILL GIVE of himself. He will give his time, his energies and even his thoughts all year. He will extend the hand of friendship and lift the burdens of others.

---

ELKDOM KNOWS no season to be generous, not only generosity of bounty, but a beneficence of kindness that bespeaks good cheer, comfort, and understanding of those who have not yet learned to live by, or know the principles of our great Order.

---

AS HE passes down life's pathway to everlasting peace, a real Elk is charitable to all mankind — not only at Christmas — but throughout the year.

---

MRS. MILLER joins me in extending to every Elk and his family, our best wishes for the Holidays and for happiness throughout the New Year.

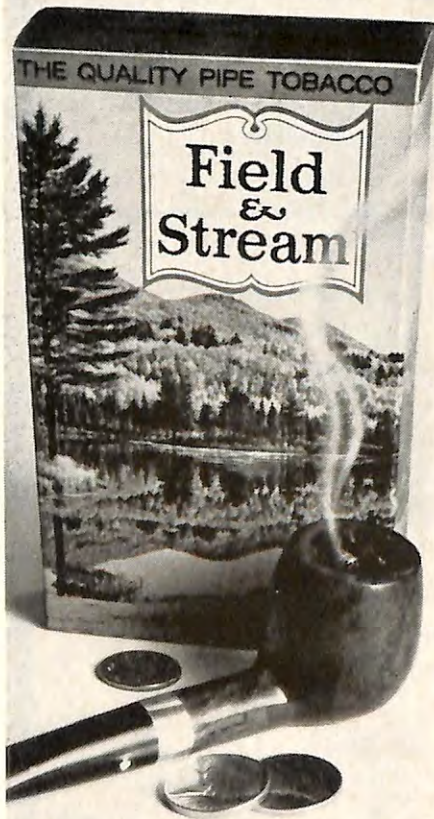
*Glenn L. Miller*

Glenn L. Miller  
Grand Exalted Ruler

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VOL. 49, NO. 7

DECEMBER 1970

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If your mail costs are up this month, think twice before blaming it all on the new rates. Maybe the true villain is in your own mail room ... that ordinary little mail scale you rely on.

Did you know that something as simple as a November change in the weather can affect it? Can add an ounce or two to its readings, a dime or two to your stamp bill? Every package. Every time. Hundreds a year.

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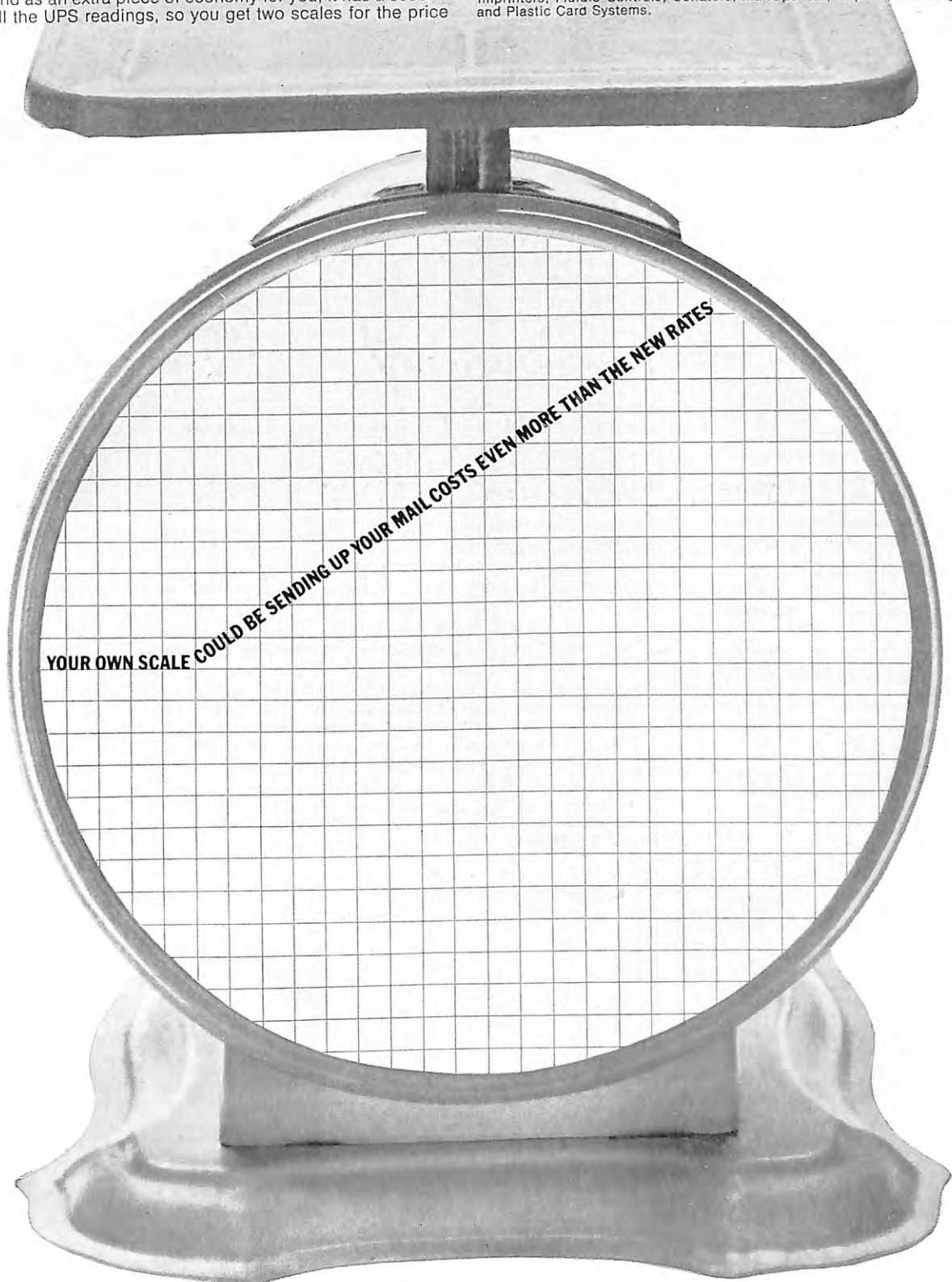
Now, with life full of rising costs that you can't do anything about, isn't it pleasant to find one that you can actually bring down?



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**ELKS NATIONAL FOUNDATION**  
2750 Lakeview Avenue / Chicago, Illinois 60614



## "The Joy of Giving"



The Benevolent and Protective Order of Elks National Foundation was started in 1928 by a gift of \$100,000 from the Grand Lodge. There has never been an assessment of any kind to increase the principal fund; the fund represents voluntary gifts by members, lodges, state associations and philanthropic-minded individuals outside the Order, plus the profit derived from wise investment. Current year income from combined funds amounted to \$754,707.00 from an appraised portfolio investment if \$21,246,342.00. The income and the income alone is available to carry on the good works in the various fields of philanthropy to which the Foundation is dedicated, so gifts may be made with confidence by those who wish to dedicate their funds to good purpose in perpetuity. Back in 1928, the year in which the Foundation was started, Les Meyers graduated from Logansport Indiana High School and was chosen to receive the first scholarship from the Logansport Lodge. In the picture above Brother Meyers is shown presenting his check to the Hammond Elks Lodge, returning to the Foundation the money granted to him in that first year. Others in the picture are Steve Nisevich, Hammond Lodge Chairman of the National Foundation (accepting the check), Edward Eurley, Indiana State Trustee looking on from the rear, and William Myres, Indiana Northwest District Chairman.



Presenting a \$350 United States Savings Bond to Cathy Schwab, Grand Lodge Youth Leadership Brochure Contest winner, are ER George Kerr (left) and Youth Leadership Chairman Bruce A. Bailey, both of Flemington, N.J., Lodge.



**Special Announcement to All Readers of THE *Elks* MAGAZINE**  
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During this limited Enrollment period, you can enroll yourself and all eligible members of your family simply by mailing the Enrollment Form below with \$1. There's nothing else to do—but you must mail your Enrollment no later than Midnight of the 10th of the month following the month of this publication.

Think of it. Now, with a stroke of your pen, you can have *tax free, expense free extra cash paid direct to you*—not to the doctor or hospital—when a sudden accident or unexpected illness hospitalizes you or a covered member of your family! And you may enroll during this Special Enrollment Period without having to see a company representative and *without any red tape whatsoever.*

**EXTRA CASH**  
**Gives Peace of Mind and Security**  
**Helps Replace Lost Income**

Everything costs more these days. (Who knows better than you?) Hospital costs alone have TRIPLED in just a few short years . . . and they're expected to DOUBLE soon. While 7 out of 8 Americans have some hospital insurance, most find that benefits *simply don't cover ALL the bills* that mount up when sickness or accident strikes.

And remember, your EXTRA CASH is paid direct to you . . . and you use it any way you want to.

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70 and over	\$ 7.75	\$ 85.25
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**PAYS** \$100.00 per week while hospitalized for each sickness or accident from your policy date for accidents, and sickness originating more than 30 days later, even for life.

**PAYS** \$10.00 a day at home for sickness or accidents requiring a private nurse.

**PAYS** \$100.00 per week for each sickness or accident even if you go to a nursing or convalescent home.

**PAYS** \$100.00 maternity on husband-wife or family plan after 10 months.

**PAYS** \$100.00 while hospitalized for pre-existing conditions after policy has been in force 12 months after 7th day. In addition to Medicare, Workmen's Compensation or any other insurance plan.

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2. ....		4. ....	

To the best of my knowledge and belief, I nor any member of my family have or ever have had any serious disorder or operation within the past five years except those listed as follows:

I understand the provisions relating to pre-existing conditions will cover only those admitted herein.

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Please make check or money order payable to: Great Valley Mutual Insurance Company

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## Conquest of the

# OCEANS

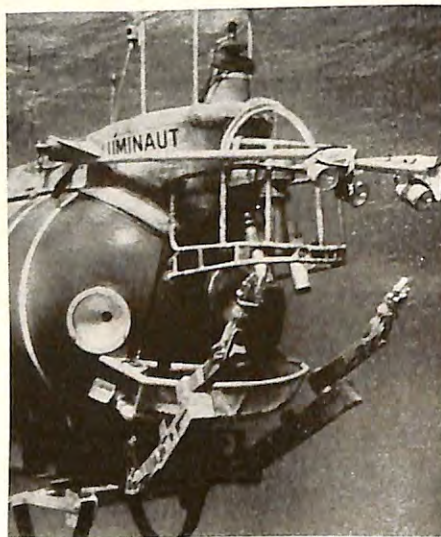
by Raymond Schuessler

THE MOON a quarter million miles away has been reached at a cost of \$24 billion, a spectacular milestone in the history of man. But the conquest of the ocean (only seven miles away at its deepest point) the last remaining frontier on this planet which contains an untold wealth far more valuable than any moon or planet must now be conquered (and can be at a lesser cost) for a burgeoning mankind is fast running short of minerals and even food. During the last 30 years man has mined more of the earth's metals than ever before in history. Hollis M. Dole, assistant secretary of the interior, warned recently that, "Mineral consumption in the U.S. is increasing at an astonishing rate . . . and will be double that of today by 1980."

We have seen critical shortages of silver force removal of that metal from our coins. Demand and dwindling supplies of nickel and copper may soon force that metal from our coinage. Nor are the other common metals and chemicals inexhaustible.

Many nations are already beneath the waters for their mineral supplies. Coal is mined by the British from tunnels running under the North Sea. Diamonds are being brought up from deposits off the West Coast of Africa. Canada and Japan are mining iron from underwater deposits while the East Germans are mining titanium, Malaya tin, and Australia zirconium from the sea. And this is only the beginning as nations scour the sea bottoms for new sources of minerals. We may even tap new sources of vitally needed fresh water from the sea.

The Russians have been actively engaged in deep sea exploration for chem-



*The deep submersible, Aluminaut, shown above gliding through the ocean near Bimini in the Bahamas, has a design depth capability of 15,000 feet—deepest of the research submarines. The 51-foot, aluminum-hulled vessel has taken part in research and salvage operations around the world, often working more than a mile below the surface. Owned and operated by Reynolds Sub-Marine Services, a subsidiary of Reynolds International, Inc., the Aluminaut can carry seven men and more than three tons of scientific equipment and stay submerged for up to three days.*

icals, minerals and food. They have several underwater stations where they carry on geological reconnoitering and have more in blueprint. According to Dr. Albert Parry of the Department of Russian studies at Colgate, the Russians expect to mine vanadium, zinc, aluminum, barium, copper and nickel and cobalt from the sea. Most of the world's ferro-manganese, the Russians say, is underwater.

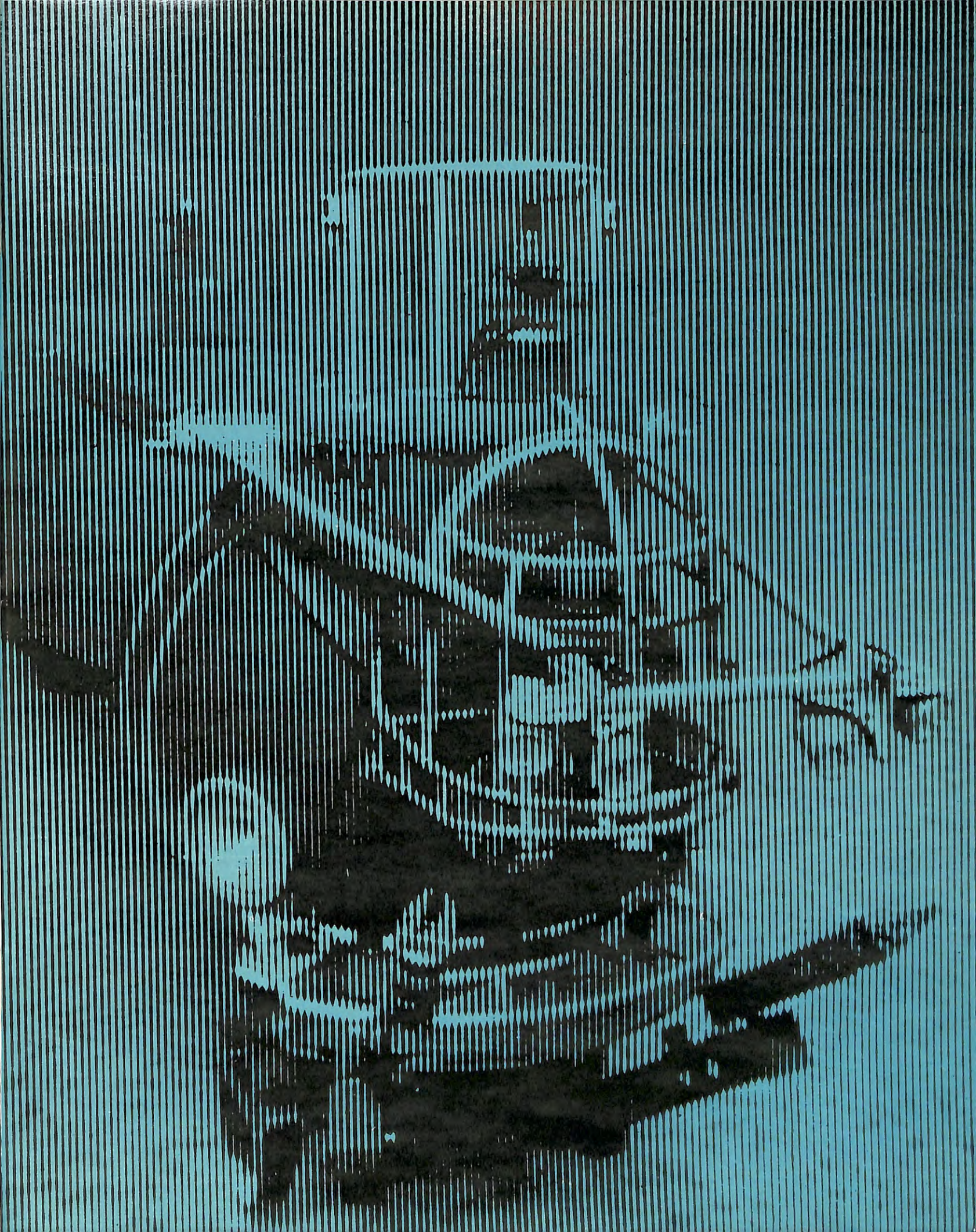
There was never any doubt in the scientist's mind that we would have to go underwater to supply the world's needs. After all, the seas are just a tiny film hiding most (71 percent) of the land on earth. Soon it must become as familiar as the palm of our hand if future generations are to survive. As the National Academy of Science has said, "Man's knowledge of the oceans is meagre indeed, compared with their importance to him." Up to 1968 only five percent of the ocean bottom has ever been explored.

The vast deep oceans have long been a source of mystery. Man knows little of the deep stirrings of the great oceans, having skimmed only across the surface in ships.

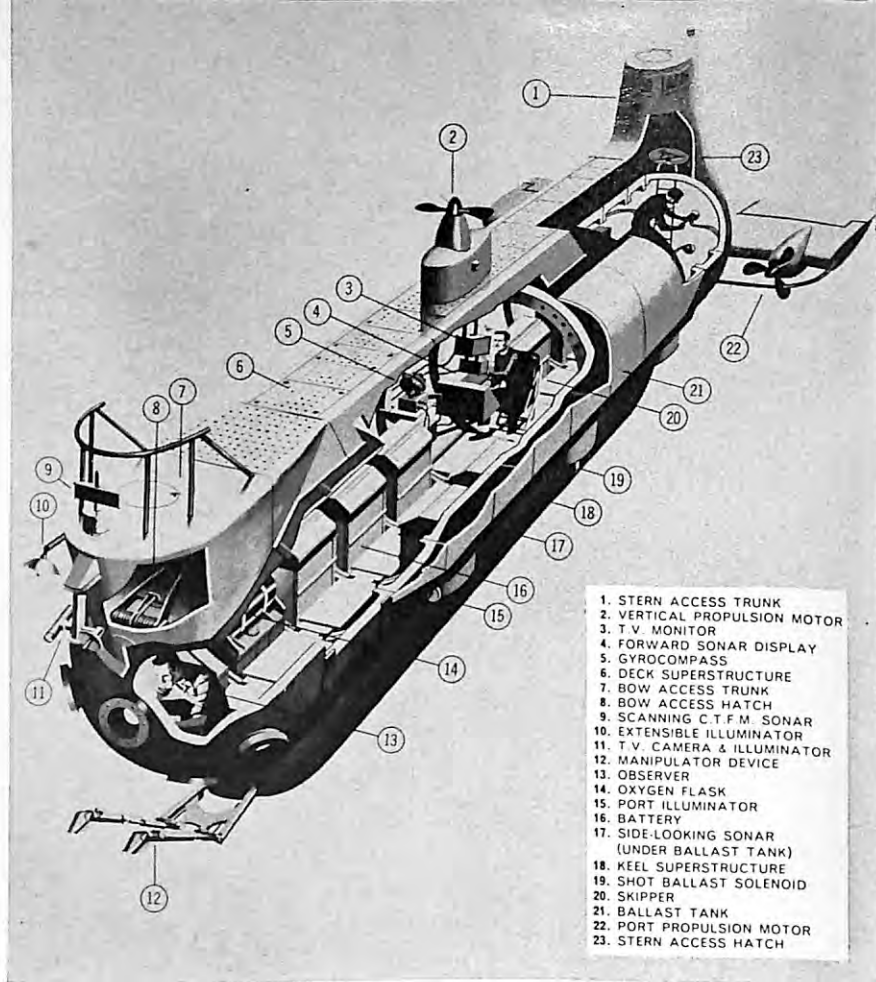
Today science and technology have opened the way beyond this undersea frontier by virtue of our military experience in submarine and missile technology and as a result of private investment of oil, mining and fisheries interests, power companies and private explorers. The seabed, the largest continent on earth, is now recognized as an area of strategic and economic importance. As former President Johnson has said:

"Never until recently did man seek greater understanding of the oceans, because he saw little necessity. There was always a new frontier, an unexplored land, unexploited territory. Now our view of the sea has had to undergo a drastic change. We have always considered them as barriers to invasion; we now must see them as links, not only between peoples, but to a vast new untapped resource. It is becoming increasingly clear that there are large mineral deposits under the oceans. But before









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this treasure becomes useful we must first locate it and develop the technology to recover it. We must also learn much more about marine biology if we are to tap the great potential food resources of the sea."

In the face of the latest submarines and other operational undersea craft, the ocean depths are, at last, beginning to yield up not only their mysteries, but also their chemical and mineral treasures. And, fired by this promise of great new sources of minerals, more than 300 companies are already engaged in underwater research. A major thrust into the ocean could become a recognizable element in our gross national product and help satisfy the future need for new employment opportunities in both the professional and labor markets.

In a broad sense, the door to knowledge about the world's ocean has just been cracked. But it does represent a substantial beginning. Industrial, university and government laboratories are marshalling scientific and engineering talent to find solutions to the myriad problems posed by man's need to explore and exploit the resources of the sea.

The seas will yield not only mines and farms, but playgrounds and highways and powerhouses and a host of other things man has on the drawing

boards today. Already in hand is the knowledge necessary to open the underwater world and tap its limitless resources. Experts no longer ask "if," but "when."

Since the birth of scientific oceanography exploration of the underwater world has been conducted mostly from surface vehicles. Early ocean explorers developed a variety of instruments to measure and sample the ocean's depths. These nets, trawls, dredges, corers, water sampling and temperature recording devices were the basic tools of the ocean explorer up to a few years ago.

With few exceptions man had not plumbed the ocean's depths beyond several hundred feet until 1960 when Auguste and Jacques Piccard built the bathyscaphe *Trieste*. The first extreme depth vessel free to move about the ocean floor without a surface connection, the *Trieste* passed the ultimate test—a 6½ mile drop into the Marianas Trench of the Pacific Ocean.

New exploring vessels have made their debut since then. The *Aluminaut*, the world's first aluminum submarine is designed for salvage research and possibly mining operations at depths down to 15,000 feet. A host of other aquatic vessels *Deepstar*, *Turtle*, *Dolphin* and others, are joining in an effort that may equal man's journey to the moon in ex-

citement and surpass it in benefits.

There is no limit to the underwater vehicles we are working on. Would you believe an underwater airplane? It is in blueprint. It was announced at a recent U.S. Navy antisubmarine warfare conference in San Diego. It was the concept of a Navy seaplane which could fly in the air as an aircraft and submerge underwater as a submarine. This daring concept is considered by underwater experts as "feasible, practical and well within the state of the art."

Submersibles may eventually be built for ocean mining, petroleum and gas exploration and exploitation, underwater transportation, civil engineering, salvage, (over 100 ships sunk per year can be recovered with their valuable cargo) fish-farming, and aquaculture, archeological exploration, even for recreation and tourism.

Scientists already envision a mobile oil rig drilling the ocean floor to tap oil reserves, yet untouched by man. The drill table caps off each strike with storage tanks and moves on to the next location. Then an atom-powered submarine freight train equipped to tap the storage cylinders, fills its tank cars with crude oil and delivers it untroubled by foul weather to a seashore refinery on the surface. Various agile

(Continued on page 15)



# Lodge Visits of Glenn L. Miller



It's official! September 24, 1970, was Glenn L. Miller Day at Newport, R.I., Lodge! Accepting a framed, sealed certificate confirming the fact, Brother Miller beams his approval while ER Howard J. Surber, Jr., PER William F. Benisch (both of Newport Lodge), and Mrs. Miller look on.



A smiling delegation from Syracuse, N.Y., Lodge meet Brother Miller upon his arrival to visit the Lodge and attend the N.Y. State Assn. Fall Conference. From left are Syracuse ER William R. Townsend, SP Robert M. Bender, Sr., Special Deputy Francis P. Hart (Watertown, N.Y.), GER Miller, Grand Chaplain Rev. Francis A. White, DDGER Charles F. Barnes (Little Falls, N.Y.), SVP Lyle L. Rulison, and PER John J. Alexander, both of Syracuse.



Visiting Springfield, Vt., Lodge, Brother Miller took time to pose for a photograph with Springfield ER John D. Vaughan, Grand Trustee W. Edward Wilson (Newton, Mass.) and Mrs. Wilson, Brother Miller and Mrs. Miller, Grand Lodge Committeeman Peter N. Hall, SP Dennis C. Brooks, and PG Loyal Kt. Raymond Quesnel.



On behalf of Jeffersonville, Ind., Lodge, GER Glenn L. Miller prepares to accept a flag which has flown over our nation's Capitol. Taking part in the ceremony are PGER Edward W. McCabe, Jeffersonville ER Willis E. Spellman, GER Miller, Congressman Lee Hamilton (donating the flag), and Chairman of the Dedication Committee P. W. Loveland, Jr., also of Jeffersonville.

Brother Miller accepts a more personal gift—a golf bag guaranteed (according to Jeffersonville Lodge Members) to bring the GER's scores into the low 80's. Making the presentation is Brother Spellman.



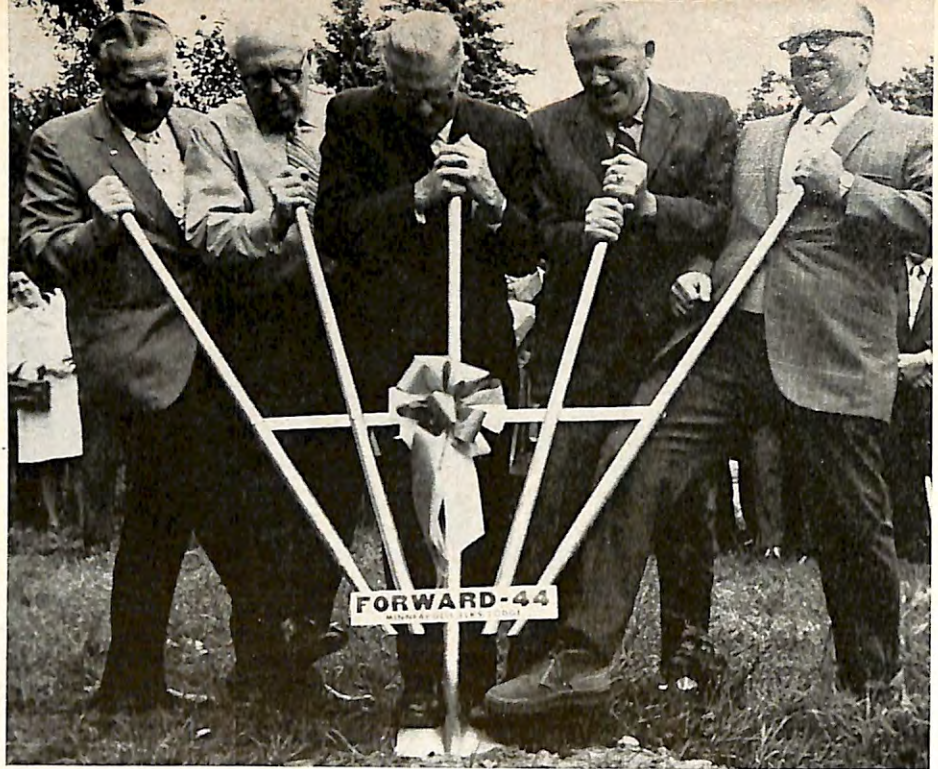




**NEWS**

**OF THE**

**LODGES**



**PINNING A NAMETAG** on PGER Frank Hise at the recent Utah Elks Association convention is PER Harry J. Levindofske, convention chairman, Ogden. Brother Hise was a special guest and speaker during the meeting.

**A FIVE-HANDLED SPADE** was used to break ground recently and start the construction of the new Minneapolis, Minn., Lodge quarters. GER Glenn L. Miller took the center handle, while (from left) ER Arthur C. Carr, PGER Raymond C. Dobson, SP Verdrie Gysland, Hopkins, and Brother Fred J. Bieber, building committee chairman, joined in. The \$700,000 facilities, to be completed by late spring, will include clubrooms, a ballroom, bowling alleys, a sauna, provisions for an outdoor pool, and tennis courts.



**THIRTY-ONE FLAGS**—which have flown over all or parts of the United States since it was first settled—and a history of each were reproduced on a colorful chart and presented to GER Glenn L. Miller during his visit to Washington, Pa., Lodge. The presentation was made by ER Robert W. Malone (left) and SP Robert H. McCormick, State College, on behalf of the Allegheny Trails Council of the Boy Scouts of America in recognition of the support of scouting given by Elks throughout the country. Some of the actual flags, part of the historical exhibit maintained by the Boy Scouts in Pittsburgh, form the background during the ceremony.



**ONE OF THE LEADERS** in average-per-member donations to the Elks National Foundation is Tenafly, N. J., Lodge. PGER Frank Hise reads the inscription on a recognition award plaque to ER Martin Mortensen during a special presentation, while PGER John L. Walker, Foundation Trustees chairman, looks on.





**SILK WORMS**—part of an educational project—were supplied to the Cumberland Presbyterian Home by members of Denton, Tex., Lodge. ER Thomas A. Garbacik joins some of the students at the home for orphaned and dependent children while they examine the fascinating creatures.



**HAWAIIAN LEIS**, an aloha gift from Honolulu ER Paul A. Lynch, were sent to PDD Doral E. Irvin (left), Lynchburg, Superintendent of the Elks National Home, and his wife Kitty. Brother Irvin had hoped to visit Honolulu after the recent Grand Lodge convention, but other duties at home prevented the trip. The presentation was made by Brother Ernie Ward, Exalted Ruler of the Elks National Home lodge.



**RHODE ISLAND ELKS** turned out in force at South Kingston Lodge recently to honor PDD Reggie R. Sassi (second from left) at his testimonial dinner. Seated with the guest of honor during the affair—attended by more than 230 Elks and their wives—are (from left) Grand Trustee W. Edward Wilson, Newton, PER James Tolcarelli, chairman of the event, and DDGER Harold Waltonen, Coventry-West Greenwich.



**TOURING** the veterans administration regional offices and hospital in Reno, Nev., SP Richard C. Logan (center), Tonopah, and PDD E. P. Caffrey (right), Reno, state VA service committeeman, discuss some of the activities with the center's director, M. W. Allen. An arts and crafts contest, which is being sponsored by the Elks as part of the 25th anniversary celebration of the founding of the national VA voluntary service committee, will be held in Washington, D. C. in April.



**TAKING THE PART** of all six initiatory officers, PDD and PSP William H. Heiser (left) conducted the complete initiation ceremony of his two sons, Robert and Roger, at Falls City, Neb., Lodge. Brother Heiser, who is also a Past Exalted Ruler of the lodge, is congratulated for his "first" by ER Robert C. Joy.





**RITUALISTIC TEAM** from Ann Arbor, Mich., Lodge has captured Michigan's Southeast District title 12 times in 13 years in addition to taking top state honors for five of the past six years. The current team members, pictured with their trophies, include (first row, from left) PER Edward Quirk, Chaplain; Brothers John Hardesty, candidate, and Pat Howard, Inner Guard, and (second row) PER Donald Laubengayer, coach; Brother Russ Reuter, Est. Lect. Kt.; Brother Jim Murray, Esquire; ER Keith Glasspoole, Est. Lead. Kt.; PER Joseph O'Reilly Jr., Exalted Ruler; Brother Bob Salisbury, Est. Loyal Kt.; PER Thomas Ingram, coach, and PER Clifford Burnham, coach and All-American Chaplain for 1969.



**LIFE MEMBERSHIP** in Jamesburg, N. J., Lodge was awarded to Trustee Joseph D'Imperio (left) by PER George J. Alzin at a recent lodge meeting. Brother D'Imperio has served as chairman of the lodge's crippled children's committee for 10 years, and he proudly receives his gold membership card.



**EUREKA, California**, Lodge held a special initiation recently—a first in the lodge's 69-year history. Four sons of one of the members, Brother Minor A. Waters (second from left), followed in their father's footsteps and became Elks. ER Darrel C. Belts (left) welcomes the new Brothers—Thomas, Joseph, Timothy, and Michael.

**TWIN SONS** of Past Est. Lect. Kt. Richard J. Hendrickson (left), who helped initiate them, became members of North Palm Beach, Fla., Lodge recently. The two new Elks—Edwin and Philip Hendrickson—are both honor students at the University of Florida. ER Edward G. O'Connor (right) led the team of initiating officers.



**A 1926 BUICK** was one of the main attractions at a recent antique show sponsored by Woodbridge, N. J., Lodge. Brother John Lukacs (right) points out some of the car's characteristics to ER A. Martin Mundy (left) and Est. Lead. Kt. George Wittenzellner. Proceeds from the event went to the lodge's new building fund.





*Memorial services at the Elk's Rest in Mount Hope Cemetery, Boston, Mass.—final resting place of Charles A. S. Vivian, founder of the Benevolent and Protective Order of Elks—find a group of Massachusetts Brothers joined in solemn tribute. Those attending the impressive service—now in its 30th year—include (from left) Boston Secy. Wilfred R. Carmody; the Rev. L. E. Brock; Est. Lect. Kt. Paul Dowling; Est. Loyal Kt. Jasper Manning; ER Harry Sarfaty; PER Thomas E. Donlan; Esq. J. Somerville; PSP Joseph E. Brett, Quincy; PSP C. B. Burgess; PDD George Steele, Gloucester, and PER Henry P. Donahue. Overseeing the ceremony: the noble elk which marks the cemetery's Elk's Rest.*

*Lodge News continued on page 49*

## LODGE NOTES

**KALAMAZOO, Mich.** The 51st Elks National Bowling Tournament will be hosted by Kalamazoo, Mich., Lodge, starting February 27, 1971, and will run each weekend through May 8. The exception will be Easter weekend when the replacement date will be April 11.

All Elks in good standing are eligible to compete for some 2,800 cash prizes as well as trophies for winners in the various events. Bowlers desiring to enter can obtain information by writing to Brother R. F. Sutton, Secretary-Treasurer, P. O. Box 217, Battle Creek, Mich., 49016 or by phoning 616-965-5615.

**LA GRANDE, Ore.** Fire recently destroyed the entire third floor and the front section of the second floor of La Grande, Ore., Lodge. The home, which was instituted in 1898 and dedicated in 1914, had undergone several remodeling changes. The gutted third floor had housed living quarters for Brothers until last year when they were closed and converted into storage areas.

**SLIDELL, La.** Five years of work, sweat, and dreams were destroyed when a recent fire swept through Slidell Lodge consuming all its contents, records, plaques and trophies. The blaze, which lasted less than one hour, engulfed the entire facility. Building plans have been approved, and construction of new quarters is underway. Slidell Brothers revealed their strong spirit when they placed a sign at the former lodge entrance the morning after the fire stating "Slidell Elks Will Rise Again."

**POTTSTOWN, Pa.** Miss Marie Daniel was presented with a scholarship at a recent dinner meeting of Pottstown Lodge. Miss Daniel, a 1970 graduate of Pottstown High School, is attending Millersville State College.

**DULUTH, Minn.** A unique collection of 130 antique beer steins, all of which belonged to early members of the lodge, is housed in glassed-in showcases built into the wall. The history of the steins dates back to 1889 when each member brought his own stein from which he drank draught beer. A small tag inscribed with the owner's membership number on it hangs on each of the rare steins' handles.

**PROVIDENCE, R. I.** Brothers John F. Kirkconnell and William Walsh and ER Robert N. Tellef presented a pair of live, young elks to the City of Providence and Roger Williams Park Zoo during a recent Elks to the Park day. Providence Mayor Joseph A. Doorley Jr., Ralph J. Hartman Jr., and Dion A. Albach, zoo director, accepted the gift from Providence Lodge.

**TERRE HAUTE, Ind.** The City Club has been sold to Indiana State University for \$185,000. All lodge operations, including the office, are being performed at the Elks Fort Harrison Country Club. A new lodge is being built at the country club at an estimated cost of \$685,000. The country club, located on the Wabash River, already has a pool, 18-hole golf course, and boat launching facilities. Upon completion of the clubhouse, all facilities and functions of the Elks Lodge and the club will be consolidated.

**WATERBURY, Conn.** A landmark on West Main St. for over 90 years, and the home of Waterbury Elks for over 60 years was recently torn down. Demolition of the old Victorian wood building was marked by ceremonies that were attended by ER C. Andrew Monagan, Waterbury Mayor Edward D. Bergin, Congressman John S. Monagan, and Probate Judge James R. Lawlor.

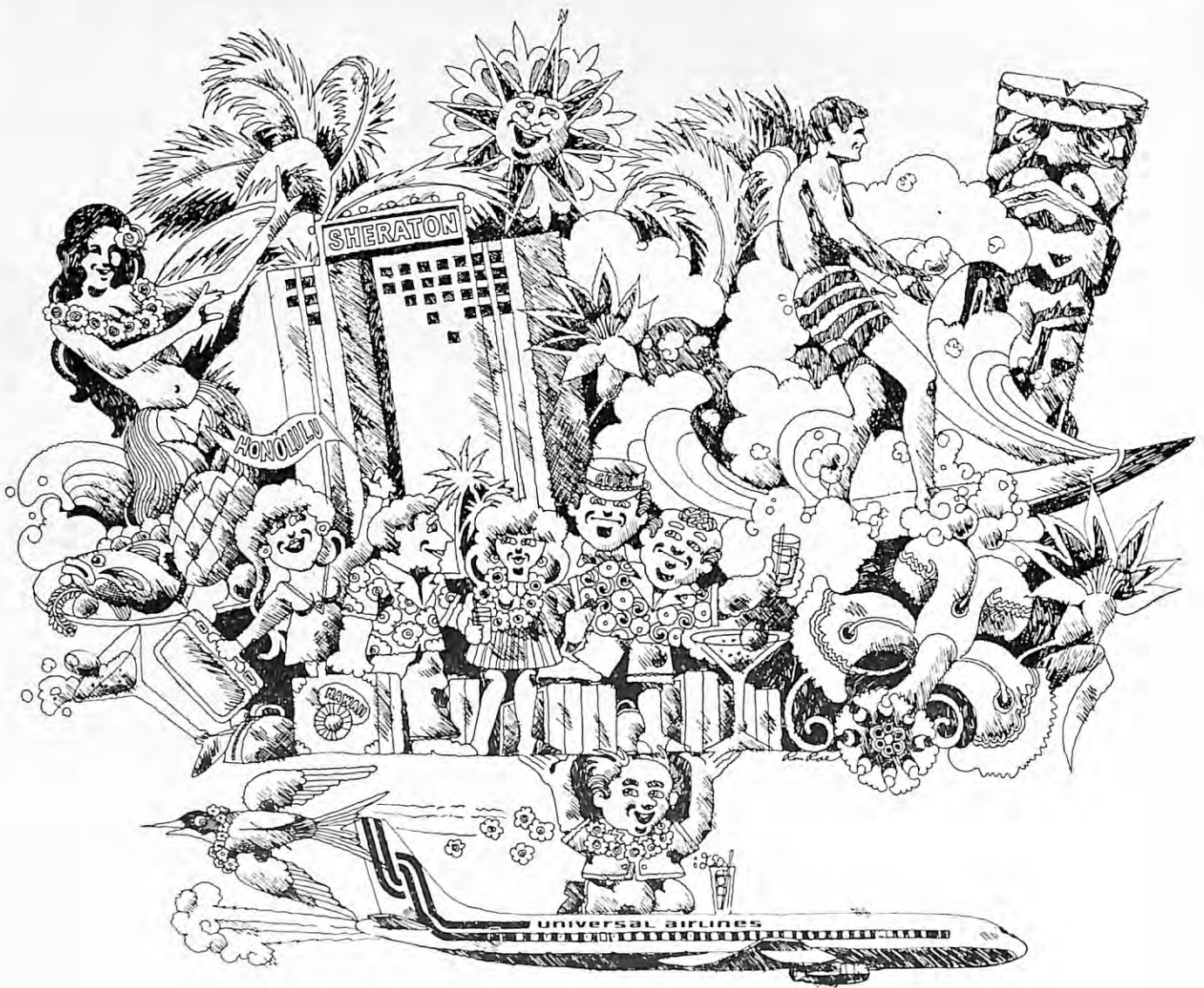
**HUNTINGTON BEACH, Calif.** The building program for new quarters is in high gear after recovering from a recent setback when the building committee was forced to give up their property for freeway acquisition. The title to new property has been obtained and new plans developed. The new lodge home will be located on a 3.6-acre site alongside the San Diego Freeway. Putting greens, a barbecue pit, swimming pool, and sauna bath are only a few of the featured assets of the proposed quarters.

**ALMA, Mich.** A dinner dance was held recently to celebrate Alma Lodge's 50th anniversary. Chartered in 1920 with 55 members, it now has a total membership of 900. Highlighting the evening was the presentation of a plaque to Brother Jack Stewart, a life member of Lansing Lodge, by PER Harrison Orwig. Brother Stewart is the only living charter member of Alma Lodge who is still an Elk.

Dignitaries who attended the event included Michigan Elks Association Treas. S. Glen Converse, a PDD and former G. L. Est. Lect. Kt., Lansing; state Trustee Frank Stobbart, a PDD, Saginaw; and PER and Mrs. Eugene L. Manson, Lansing, son-in-law and daughter of Brother Stewart.

**SPARKS, Nev.** The Nevada State Elks Association has chosen the mobile speech therapy program of the Easter Seal Society for Crippled Children and Adults, Inc. as its major project for the 16th consecutive year. Their funding will enable the program, which serves speech and hearing handicapped in both Reno, Sparks, and outlying areas of Nevada, to be continued. The association has presented a \$7,148.50 check to the society and will provide additional funding representing one-half of the program cost of \$32,447.20.





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Which brings us to the age-old problem: "How ya gonna keep 'em down at the lodge, after they've seen Waikiki?"



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(Continued from page 8)

underwater vehicles aid the drilling operation. One such vehicle, a two-man "aqua-copter" would help geologists and other researchers study the ocean depths.

As rich in natural resources as the ocean bottom promises to be even greater treasures abound within the water. Estimates of the tons of recoverable chemicals, minerals and precious metals in solution run to the billions. We are already taking salt, bromide, phosphate and magnesium from the water. Britain announced in 1964 that it had made a successful small scale extraction of uranium from the ocean. (Three million tons of sea water if processed would yield one ounce of gold, 25 ounces of silver and 20 pounds of uranium. Impractical at present but not if many other minerals could be extracted from the same mass by machinery which may progressively grow more economical.)

During the International Geophysical Year we learned that there exists on the ocean floor constantly growing mineral lumps containing iron, manganese, cobalt, and nickel which we may be able to harvest with a huge vacuum cleaner. (There is even some speculation that we may be able to grow these minerals by controlling the water processes.)

The recent development of undersea vehicles has extended the possible areas of geological investigation from near-shore across the continental shelves and beyond them, to the deep ocean floor.

It is important to recognize that although the ocean has deep spots, these occur in only a few places. Within the first 1000 feet are the continental shelves averaging between 600 and 800 feet in depth. Although these comprise a small percentage of the total sea floor (about 10 percent) they are of tremendous scientific, economic and military significance; here is half of the ocean's important biological population, and many of its commercially valuable minerals. Furthermore, the shelves are accessible to research centers and home ports. For these reasons, the continental shelves particularly those off the U.S. will be the first undersea areas to be

mined intensively. In 1970 it is estimated that the oil and gas industry will spend \$10 billion for the exploration and production of oil and gas. Of this, \$2 billion will be spent on off-shore reserves.

Deep ocean trenches are of great interest to geologists, especially the Puerto Rican Trench, deepest in the Atlantic Ocean (30,184 feet). Sampling of rock outcrops along its slopes may give a far better understanding of the origin and history of the earth. In 1964 the Puerto Rican Trench was investigated as part of the Navy sponsored Operation Deep-Scan. A major objective of the program was to examine the north wall of the trench, and to sample rock outcrops. Poor visibility and an inability to maneuver the bathscaphe prevented geologists from doing so. New vehicles will do the job.

Geologists can be expected soon to expand their investigations into many parts of the world ocean, as more vehicles, instrumentation and supporting equipment become available. The great mid-ocean ridge system, with its spurs, minor rises and ridges, constitutes another major challenge to oceanogra-  
(Continued on page 25)

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Silent night! holy night!  
 All is calm, all is bright;  
 Round yon Virgin Mother and Child,  
 Holy Infant so tender and mild:  
 Sleep in heavenly peace,  
 Sleep in heavenly peace.

Silent night! holy night!  
 Darkness flies, all is light;  
 Shepherds hear the angels sing:  
 Alleluia! hail the King!  
 Christ the Saviour is born,  
 Christ the Saviour is born.

Silent night! holy night!  
 Guiding Star, lend thy light!  
 See the Eastern Wise Men bring  
 Gifts and homage to our King!  
 Christ the Saviour is born,  
 Christ the Saviour is born.

Silent night! holy night!  
 Wondrous Star, lend thy light!  
 With the angels let us sing  
 Alleluia to our King!  
 Christ the Saviour is born,  
 Christ the Saviour is born.



by Dave Van Dallis

# A Christmas Carol

UNDOUBTEDLY you've been walking around the house humming it to yourself for weeks. Everybody has. But did you ever stop to think about just how long ago *Silent Night* was actually written? Or by whom?

For nearly fifty years professional men, historians, composers, and the clergy argued vehemently about who the rightful author is. Some said an Austrian by the name of Joseph Mohr; some, by the frequently credited Franz Gruber; and still others insisted it was the product of a young Salzburg composer, Michael Haydn.

One story circulating Old World Austria around 1840 claimed that Mohr, a Catholic priest in the remote village of Oberdorf, simply packed up all his belongings one day and walked out of the church. Like Heidi's "wicked" grandfather, he stole away to the mountains where he settled in an old, ramshackle cabin to live the life of a hermit. Several months later, he returned to the church with a folded, wrinkled piece of paper which he handed his Superior. On it were carefully scribed the words of *Silent Night*. Of course he resumed his duties as village priest, and all lived happily ever after.

A more romantic German variation of the story is that Mohr, struggling between his love for a beautiful village maiden and God, went into seclusion to

grapple with his conscience. After days of fasting and prayer, he finally realized he loved God more and offered to heaven his thanks and renewed vows of faith, to which God responded by inspiring Mohr to write the story of the Nativity.

A little fairy-taleish? Perhaps. But it's Christmas, remember? So what's wrong with a happy ending or two?

But the question still remains: Who *did* write *Silent Night*?

An old Irish friend of mine tells his favorite story each Christmas about a pub in Dublin where, on one bitter cold December night, huddled a doctor, a lawyer, and an Irish monk. As the evening wore on, the trio discussed all the day's major events, lifted their share of elbows, solved half the world's problems, and, ultimately, aired their views about the most popular Christmas carol ever.

The good doctor was adamant: the genius of the lyrics sprouted from the genius of Haydn, while the lawyer swore with an oath they were from Gruber. While the two argued back and forth, the monk, timid and red-eyed, sat quietly by, taking in both sides, until a lull broke the conversation.

"You know," the monk said matter-of-factly, "Joseph Mohr was a priest. And it's common sense that only a priest could write such stirring, poetic words about the night of Christ's birth."

Well, of course, one stein led to another; and one man's argument was the other man's fury, until finally the three of them leaped at each other over the table and tumbled to the floor, struggling fiercely, cursing, slashing, and rolling about in the way that only elbow-bending Irishmen back in the 19th century were able to do until finally they rolled right out the door and down the snow-covered street towards the woods.

Nobody saw any of them, again, for days. Then, on the night before Christmas, the monk staggered into the pub. He was scarred and bruised, and his robe hung in tatters from his back. As he shuffled up to the bar, he propped himself against it, and, in his weakest, hoarsest Irish brogue, announced, "It was Mohr."

Whether or not that is the way it happened, no one can say for sure. And I doubt that the "genteel monk's" method for determining the author's identity is especially commendable. But one thing we *do* know for sure: For such a tender, peaceful, serenely flowing song, it certainly has stirred up its share of controversy!

(Continued on page 40)

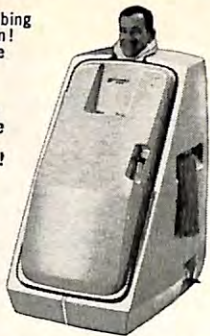


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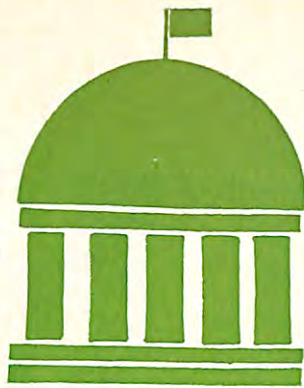
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# AROUND WASHINGTON

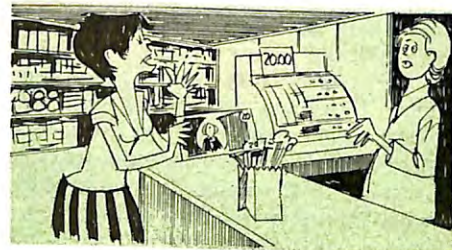
**CHRISTMAS TREES.** South Dakota is one of the few states which has twice contributed the national Christmas tree for the Ellipse south of the White House. It was the donor in 1955 and again this year. Offers of trees from various states have now been accepted through 1974, when Hawaii will provide it, according to the National Capital Parks Service.

where as it is here. Fashion experts say what seems to be catching on, instead, as a replacement for the mini is the "covered knee" length and the pants suit. Some of the big dress manufacturers may be in trouble because of the gamble they took on the midi.

**PEACE CORPS** is sending more skilled workers and fewer college students overseas as part of a "new direction" given the Corps by the Nixon administration. The new mix it is gradually working toward is 30 percent worker and 70 percent student instead of the old ratio of 5 and 95 percent. Another innovation: a married man is permitted for the first time to take his wife and children with him even though he is the only member of the family serving as a volunteer.



**PENNIES GALORE.** Director of the Mint Mary T. Brooks estimates that billions of pennies have dropped out of circulation because Americans have them stashed away in their piggy banks. She says that if people would stop hoarding them, the government presses would not have to spend so much time making new ones and could be used to turn out other coins that would bring in more seigniorage or profit to the government.



**IT'S NOT FUNNY** but the inflation has inspired a raft of jokes here. One of the more popular is about the man who went to a supermarket to do the family marketing for the week and was asked by the bag boy whether he wanted a shopping cart. "No thanks," he answered, "I won't need one. I've only got a twenty on me."

**MURDERS** of 86 law enforcement officers in 1969 set a new record, FBI Director J. Edgar Hoover reports in the FBI Law Enforcement Bulletin. He blames "lack of respect for the law" for the fact that "the role of the policeman becomes increasingly dangerous." He says, "Only an aroused citizenry and swift and certain punishment by the courts can reduce felonious acts against police. When a law enforcement officer dies at the hands of a killer, part of our system of law dies with him." Handguns were used to commit 81 percent of the murders, according to Hoover.

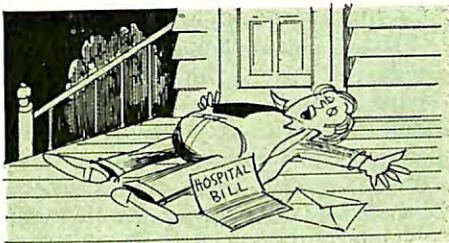
**CHRISTMAS STAMPS.** The Post Office Department, which has 1,750,000,000 specially designed 6-cent stamps for sale this Christmas season, expects the religious and secular to be equally popular. It ordered half each of antique toys and a 16th Century Italian Nativity scene. Precancel lines were included in the designs of about half of this year's production. This was done to speed the dispatch of outgoing mails by eliminating the necessity for canceling.

**DON'T PUT A MIDI DRESS** under the Christmas tree, if you want to please your wife. Washington stores report that this new length dress is as unpopular with American women every-



A VOICE representing the people who live in Washington, D. C. at last is going to be heard in the House of Representatives. Congress, which has treated District residents like colonists, finally has voted to let them elect a delegate. But while the delegate will be permitted to speak, he will not be granted the privilege of voting.

RED INK. Keeping out of debt appears to be an even harder proposition for Uncle Sam than John Q. Citizen. The federal government went in the hole to the tune of \$2.9 billion in Fiscal 1970. It was the ninth time in the last-ten years that more was spent than collected in taxes. And the way things are going Fiscal 1971 will be another red ink year, economists predict.



HOSPITAL COSTS SOAR. An older person who goes to the hospital under Medicare will have to pay the first \$60 of his hospital bill, beginning in January. At present, the charge is \$52 of the bill which runs about \$750 for the average stay. Social Security Commissioner Robert M. Ball says the increase is mandatory under the law and "is a result of the long term upward trend in hospital costs."

HOLD YOUR NOSE. That's what the residents of fashionable Georgetown, only a dozen or so blocks from the White House, do on many a day as their streets are permeated with odors from a local rendering plant. They have complained for years about the plant which converts animal fat and bone into soap and fertilizers. But city officials, who periodically test the smelly air with a "scentometer," have ruled that the objectionable odors are not illegal since they do not register as pungent enough to be harmful to the health of humans and animals living in the Georgetown area.

A SCARCITY OF BUTLERS in England has reached such a critical point that some of the stately home owners have had to place ads in the "help wanted" section of the newspapers. Some British families solve the problem by renting butlers only for special occasions. For about \$10 a day they are able to hire their own "man" from a catering agency.

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<input type="checkbox"/> (16 pass)	<input type="checkbox"/> (20 pass)
<input type="checkbox"/> Elks Emblem Outside	<input type="checkbox"/> Yes <input type="checkbox"/> No

Name: \_\_\_\_\_ Inside Emblem: \_\_\_\_\_  
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*A key to the city was presented to PGER Frank Hise by Mayor pro-tem Wendell Waite when he arrived in North Las Vegas to attend the recent Nevada State Elks Association convention. PGER R. Leonard Bush, who was another of the distinguished guests, arrived at the airport with Brother Hise.*



*Gifts from the Colorado Elks Association were presented to GER Glenn L. Miller and his wife Margaret during their visit to this year's annual state convention in Aurora. PSP James Viola (right), Florence, made the presentations.*

Latrobe; Past Grand Est. Lead. Kt. M. J. Junion, Green Bay, and La Crosse Mayor Warren Loveland.

Elected to lead the association for the 1970-1971 lodge year was SP John V. McDonald, a PDD of Chippewa Falls. PER Thomas W. Pierce of Madison was chosen president-elect.

Vice-presidents elected were Victor G. Thedick, Marinette; PDD H. M. Miltzer, Beaver Dam; PDD Kenneth K. Currier, Beloit, and PDD Lloyd Klofanda, Eau Claire. C. F. Katzenmeyer, Beaver Dam, will serve as state secretary and William C. Herrman, Manitowoc, will fill the slot of state treasurer.

Trustees elected were PDD Kenneth F. Sullivan, Madison, three years; PDD Arno J. Miller, Portage, one year; PDD and former GL Ritualistic Committeeman J. R. Casanova, Watertown, two years; PDD M. C. Weinkauf, Rice Lake, four years, and Daniel Stanger, Two Rivers, five years.

It was reported that the association gave \$15,347 to the Elks National Foundation during the past year. Brother William A. Murphy, chairman of the committee on handicapped children, Oshkosh, said the association handled 60 cases during the 1969-1970 administration at a cost of \$1,771.90.

A DINNER honoring PGER Frank Hise was held during the 50th anniversary convention of the Maryland, Delaware and District of Columbia Elks Association, held at St. Mary's County Lodge June 26 through 28.

Honored guests included PGER William J. Jernick; PDD Harold Dorness, Glen Burnie; PDD Lenwood L. Jenkins, St. Mary's County; PDD R. Edward Dove, Annapolis, and Maryland Gov. Marvin Mandel, a member of Annapolis, Lodge.

PDD Edgar I. Gore, Cambridge, was elected as the association's president. Other officers who will serve the 1970-71 term are VP Carmine Pisapia, Dover; VP Antone Stuntz, Cumberland; VP Raymond Setler, Glen Burnie; state Secy. Hobart Wright, a PDD, Annapolis, and state Treas. Joseph Motyka, a PDD and former GL Auditing and Accounting committeeman, Washington.

The board of trustees will be composed of Allen Whitely; Evan Stone, Washington; Ben Lewis, Glen Burnie; PER Thompson Kimmel, Dover; PER James Keating, Washington; Jerry Stegman, a PDD, St. Mary's County; PDD E. Robert Bowlus, former GL New Lodge committeeman, Frederick; PER Leonard Sickler, Catonsville, and PSP Viril Mallonee, Annapolis.

Brother James B. Capron, state youth activities committee chairman, presented awards to Cheryl Hershey, \$200; Dianne Kimbel, \$100; Karyn Cook,

## News of the State Associations

**PAST GRAND EXALTED RULERS** R. Leonard Bush, Horace R. Wisely, and Frank Hise were among the many distinguished guests who attended the Nevada State Elks Association convention hosted by North Las Vegas Lodge June 11 through 13. Also on the guest list were Arizona SP Frank M. Clark Jr., Bisbee; California SP Ernest Olivieri, Sonora, and former GL Ritualistic Committeeman C. Wallace Ericson, Glendale.

The Madrigal Singers of Rancho High School sang for the Elks and their ladies assembled at the Memorial service. The opening address was given by PDD Lloyd W. Drennen, Henderson, and the invocation by PDD Mike Fondi, Ely. PDD Frank E. Belger, Henderson, gave the Eleven O'Clock Toast.

Officers elected for the 1970-1971 lodge year were SP Richard Logan, Tonopah; VP Thomas Johnson, a PDD, Reno; VP Gordon Hoopes, Las Vegas; state Secy. Donald F. Logan, Tonopah; state Treas. Carl Merrill, a PDD and former GL Credentials committeeman, Boulder, and Trustees L. E. Hall, Elko, PDD Lloyd Drennen, Henderson, and James Graver, Winnemucca.

**THE LARGEST NUMBER** of Past State Presidents ever to attend the state convention were present for this year's Wisconsin Elks Association convention, hosted by La Crosse Lodge, May 15 through 17.

Distinguished visitors and speakers who headed the guest list were PGER Lee A. Donaldson; Past Grand Est. Lect. Kt. James P. Ebersberger,



\$75; Richard Heoly, \$200; Glen Hanna, \$100 and Richard Parkington, \$75.

A REGISTERED ATTENDANCE of 740 persons—one of the largest in several years—met in Ogallala for the Nebraska Elks Association convention held May 15 through 17.

The Benevolence Commission report showed that \$54,931.09 was spent during the year to assist crippled and handicapped children who are aided by orthopedic, heart, and oral plastics clinics. In addition to regular contributions made to this fund, \$2,700 was presented during the annual Exalted Rulers March.

New association officers elected to serve for 1970-71 include SP Walter W. Stewart, a PDD, Ogallala; VP W. K. Rynearson, a PDD, Ainsworth; VP Robert Bunstock, a PDD, McCook; state Secy. Chester O. Marshall, past Grand Secretary, Kearney, and state Treas. Elmer Bradley, Columbus.

PER Thomas G. Lynch, Holdrege, was appointed to serve a two-year term as Trustee, and Forrest Swoboda, Norfolk, Leonard Vavrina, York, and Park Dobson, Alliance, all PERs, were appointed as one-year-term Trustees.

Although the Ritualistic Contest was held prior to the convention, winning teams were announced—Scottsbluff Lodge, first place; Kearney Lodge, second, and Lincoln, third.

The 1971 convention will be held in North Platte, May 14 through 16.

A CORDIAL WELCOME was extended to two Past Grand Exalted Rulers—George I. Hall and Lee A. Donaldson—when they appeared at the recent 64th Pennsylvania Elks Association convention.

Committee reports showed a 1,500 membership gain and a total amount of \$48,768.66 given to the Elks National Foundation. The cerebral palsy fund—the state major project—received \$148,645.77, a gain of \$16,920.74 over the previous year.

The association elected the following slate of officers to serve the 1970-71 term: SP Robert H. McCormick, a PDD, State College; VP Donald O. Oesterling, Butler; state Secy. Homer Huhn Jr., GL Lodge Activities committee chairman, Mount Pleasant; state Treas. Meyer Rosenberg, Beaver Falls, and Trustee Robert Mitchell, a PDD, Johnstown.

Etna Lodge took first-place honors in the Ritualistic Contest with Shamokin and Pottstown Lodges placing second and third respectively.

WARM GREETINGS were extended to PGER Ronald J. Dunn, Grand Treasurer Edwin J. Maley, New Haven, and SDGER Arthur J. Roy, Willimantic,



Past Grand Est. Lead. Kt. M. J. Junion (right) had the honor of installing the newly elected State President, PDD John V. McDonald, Chippewa Falls, during the recent 68th annual Wisconsin Elks Association convention. Brother Junion's home lodge, Green Bay, won the state ritualistic contest.

Silver dollars embedded in this Nevada-shaped plaque represent all the Elks lodges in the state. The plaque was a gift from the Nevada Elks to PGER Hise and was presented by PSP Earl W. Nygren, Fallon, during the convention.



special guests who attended the Connecticut Elks Association convention hosted by Hamden Lodge, June 5 and 6.

Crippled Childrens committee chairman, Brother George A. Caillouette, Manchester, reported that 1969-70 was the most successful year in the committee's existence. A total of \$67,167.15 was received from all sources.

The slate of new officers for 1970-71 is headed by SP Henry E. Kuryla, a PDD, Milford. The three Vice-presidents are Francis J. Adams, Branford; Francis Hines Sr., a PDD, Bristol, and Clifford Gasparini, Westbrook. PDD Thaddeus J. Pawlowski, former GL New Lodge committeeman, Norwich, will serve as state secretary with state Treas. Edward Kligerman, a PDD, Branford, and Trustee Fitzhugh Dibble, Westbrook.

The annual Memorial service included an address by PER Louis P. Leta, Norwich. Other participants in the service were PDD and PSP Louis Triano, Naugatuck, and PER Edward Lyons, Hamden.

Convention delegates approved payment of \$60,000 to Newington Children's Hospital—the state major project.

A supplemental appropriation of \$11,840 for the purchase of a laboratory, X-ray, eye-clinic, and multi-purpose room was also approved.

A PARADE of 8,000 Elks and bands marched down the famed Boardwalk as a parade highlight of the New Jersey State Elks Association convention held in Pompton Lakes, June 10 through 14. A Marine colorguard and 12 Vietnam veterans from the Army hospital at Valley Forge, Pa., led the parade.

PGER William J. Jernick installed SP Fred A. Padavano, a PDD, Kearny, into his new office. Elected to serve as Vice-presidents are Morton MacLean, Mahwah; Ralph W. Ruggero, Teaneck; Henry Schelberg Jr., Fort Lee; Stephen Fedor, Orange; Earl T. Cornelius, Dover; Dr. Louis W. Barile, Middlesex; Howard R. Bethke, Union; John J. Walling, Asbury Park; Earl T. Fisher, Greater Wildwood; Fred Koller, Dunellen, and Joseph Russo, Bordentown.

State Secy. Obert T. Stetter, a PDD, Asbury Park, was reelected to serve his second term, and state Treas. Theodore Grimm, a PDD, Bloomfield, was reelected to serve a 13th term.

(Continued on next page)





Tillotson, Ogden; Dorius B. Hanson, Logan, and Ralph L. Blotter, Richfield, all PERs.

The association has contributed in excess of \$130,000 to the Elks National Foundation and was 10th in the nation this year with contributions averaging \$1.10 per member for the year.

**GRAND EXALTED RULER** Glenn L. Miller was the featured speaker at the 67th annual convention of the Colorado Elks Association hosted by Aurora Lodge September 10 through 12. PGER H. L. Blackledge and Aurora Mayor Paul Beck were among the many dignitaries and more than 1,000 conventioners who attended the three-day event.

Delegates elected Walter Johnson, Longmont, the new State President, and PER Robert R. Wilson, Aurora, and George Tookey, Rangely, Vice-presidents.

Dignitaries made a special visit to Larandon Hall, a school for exceptional children in Denver—the state major project—during the convention week-end.

*Outgoing Utah SP William R. Kobel (right), Ogden, turns over the presidential gavel to his successor, SP Carl M. Fomesbeck from Logan Lodge. PGER Frank Hise, one of the guest speakers during the state convention, offers his congratulations.*

Trustees elected to serve three-year terms include PDDs Arthur Fellner, Passaic Valley; Fred A. Hagin, Belleville; Alvin H. Hoffman, Fairfield; Alvin Clayton, Toms River; Harrison Barnes, former GL New Lodge committeeman, Plainfield, and H. Edward McClaskey, Trenton.

Five new lodges welcomed into the state convention and parade were Lawrence, Matawan, East Paterson, Clinton, and Brigantine.

**MORE THAN 300 PERSONS** attended the Utah Elks Association convention held at Ogden Lodge June 18 through 21. PGER Frank Hise's speech, given during the convention banquet, was broadcasted over a local radio station to nine western states.

Other speakers included on the guest list were Grand Trustee Joseph A. McArthur, Lewiston; SDGER Alton J. Thompson, Salt Lake City; SDGER Ray Kelly, Polson, and Ogden City Manager Charles Kelley.

The association furnishes various types of hospital equipment to handicapped persons as its major project. This year, \$2,000, which was matched by State and federal funds, brought the total to \$10,000, which was donated to Weber County Work Shop, a rehabilitation school for crippled adults and children.

New association officers who will serve in the 1970-1971 term are SP Carl M. Fomesbeck, a PDD, Logan; VP Kay Hansen, Tooele; VP Landon

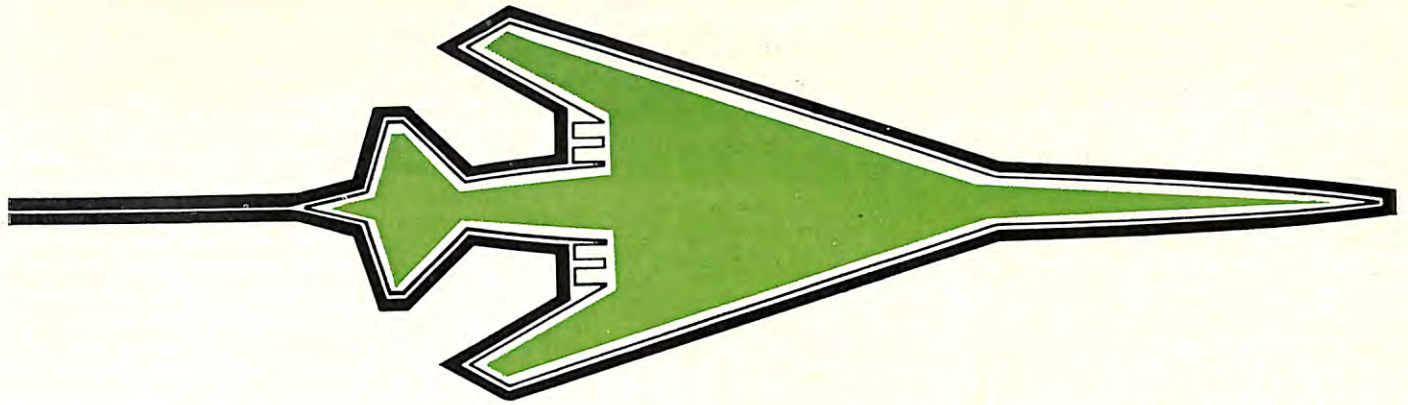
Frei, former GL Youth Activities committeeman, Dixie; VP Ellis R. Cook Jr., Moab; state Secy. and Dr. William Thain, Logan, and state Treas. Harry W. Cutshall, Provo.

Elected Trustees are Donald Shreck, Roy; J. V. Adams, Cedar City; Mark L.



*For his devotion to country and fellow men, this handsome "Bull Elk" plaque was presented to GER Glenn L. Miller during his visit to the Colorado Elks Association convention. Brother Larry Hinman (right), Denver, gives the trophy to only one or two Elk dignitaries each year. Joining in the presentation is PSP James Viola, Florence.*





# REBUTTAL

IN THE OCTOBER, 1970, issue, *The Elks Magazine* published an article entitled "Supersonic Reverberations" by E. Jervis Bloomfield. Dealing with the controversial United States' version of a supersonic airliner—the SST—Mr. Bloomfield's article stirred up nearly as much controversy as the much publicized SST, itself.

Among the most adamant letters received protesting the publication of the article was one from Mr. F. G. Coffey, Director, Program Planning, The Boeing Company (builders of the SST).

Following is Mr. Coffey's letter in entirety, along with Mr. Bloomfield's partial response.

*Mr. Coffey to the editor:*

I SUSPECT MINE is not the only letter you will receive about the recent article written by Mr. E. Jervis Bloomfield.

His story "supersonic reverberations," published in the October issue of the *Elks Magazine*, is so full of errors and editorial bias that it is difficult to separate the wheat (if any) from the chaff. His sins of commission are equalled only by those of omission—everything negative, and nothing positive, is tossed in the hopper.

For the sake of fair play and objective journalism, we'd like to put the SST program in better focus. In short, Mr. Editor, we think you've been had, along with thousands of *Elks* who deserve better treatment of such an important issue in their national magazine.

Bloomfield jumps right in, in the second paragraph, dismissing the benefits of a national supersonic transport program, then somehow managing to treat various opposition groups as authoritative sources. Yes, the SST will revolutionize air travel; it will mean jobs; there will be profits (for the U.S. taxpayer); it will greatly help the balance of payments and perhaps boost

national prestige. But these are not the only reasons for building an SST.

The plane simply fulfills a need of the 1978-1990 period for a vastly increased demand for air travel. One SST will do the work of five 707s, and thus will help reduce the number of planes in the air.

The SST's sonic boom at cruise altitude will not be destructive. Mr. Bloomfield manages to get the right overpressure for the U. S. SST at cruise altitude (about 2 pounds per square foot) but he surrounds it with so many other meaningless figures and suppositions that it's difficult to find daylight. Many series of sonic boom tests have been conducted. They show that damage to well-installed windows begins at about 20 psf. In addition, he tosses in the accidents from low-flying fighters which have exceeded the speed of sound. Extensive damage to buildings has been caused by such flights, but the overpressures have ranged from 60 to 80 psf—a far cry from the low intensity shock wave caused by an SST at its 65,000-foot cruise altitude.

However, this sonic boom discussion should be academic because Federal air regulations will prohibit supersonic commercial flights over the U. S. The

President has so pledged. The Secretary of Transportation has so pledged. And all of Boeing's program plans are based on global flight paths where *no supersonic flight* would be allowed over any land mass south of the Arctic Circle.

Mr. Bloomfield's repeated concern about how one defines a "population center" is much ado about nothing. There are no population centers located on the open seas or in the Polar Regions—the only locations on Earth where sonic booms will be produced by the SST.

On a typical flight, the plane would be between 80 and 100 miles from the coast before reaching a speed high enough to cause a sonic boom. If you were on the deck of a ship you *might* hear the boom depending on how noisy the engines were. Most times you wouldn't, and when you did you could mistake it for distant thunder.

The author's comment about fish indicates he doesn't know much about fishing either. The overpressure created by the SST's sonic boom over the oceans will be less than the difference in pressure between the top and bottom of a small ocean wave.

Mr. Bloomfield's suggestion that the plane's cost is going up suffers from



the same logic that cripples his other arguments. Cost of an SST today would be about \$40 million if we had one; it might be \$52 million by 1980; but the family auto might be \$7,000, too.

Nowhere does the article spell out the truth about government funding. What figures he has are incorrect. The government will advance \$1.4 billion toward the prototype development phase. That is all the financial obligation the government has. Financial arrangements for the production program have never anticipated direct government appropriations. The \$1.3 billion loaned to the industrial team of Boeing and General Electric, the engine manufacturer, will be repaid in full by the time 300 SSTs are sold. Royalties continue to the Treasury on every plane sold, so that by the 500th SST, the government will have received \$1.1 billion more than the \$1.3 billion advanced. How many federal uses of taxpayer's money offer that kind of return?

The market for the American SST, by the way, is now forecast at a minimum of 540 aircraft. Some estimates place the market as high as 800 planes by 1990. This assumes the total restriction of supersonic flight to overwater routes.

Bloomfield also errs in his assessment of the airport situation. Jumbo jets have

proven to be very compatible with airport systems, and most of the loud howls and screams of anguish (much like we are hearing now about the SST) have turned to smiles when people discovered they were getting off the plane and getting their baggage faster than before. The truth is, the SST will further ease the airport problem as a by-product of its great speed: by taking off and landing at slack times instead of peak traffic hours. Furthermore, the SST can operate from any airport now handling the intercontinental jets with no major modifications, no extended runways, no new terminals. Even the passenger walkways used for the 747, for example, will fit perfectly.

The travel-time advantages of 1,800 miles an hour are greater the farther you fly. From New York to Paris will be 2 hours 40 minutes. From Los Angeles to Sydney, Australia, you will save 10 hours flying time. No place on Earth will be more than 12 hours away by air.

The suggestion that no SST should be built because of the difficulty of getting from the airport to the hotel is like saying the Elks Magazine should stop publishing to fight litter because one was found in a roadside ditch. Local transportation problems must be solved, with or without SSTs.

"Sales to foreign airlines," the author says, "would be offset by the fact that the majority of seats would be filled by Americans off to spend their money abroad." He does not suggest an alternative. Would he prefer that these millions of Americans fly abroad in supersonic airliners made in England, France or Russia? I fail to see the benefits in that. And can we ignore the millions of foreigners who might travel to America to spend their money? This is flip-flop logic, to say the least. On the one hand he asserts the program won't be successful because few but the idle rich will ride the SSTs—on the other he insists that so many tourists will flock on board that we will have an outflow of tourist dollars. This is called having your cake and eating it too.

The swing-wing design was not an "incredible error" at all; it still promises to be the best ultimate design of a plane that must fly both subsonically and supersonically. Someday, we will have a swing-wing passenger plane. But under current technology, the variable sweep design turned out to be too heavy and had too short a range. So we went to another, better design. It is not at all unusual in aircraft programs. Sometimes it would help a magazine article.

On Page 8, in three incredible paragraphs, Bloomfield tosses in enough misleading information to make one suspect he has read nothing but "Sonic Boom Handbook." No doubts have been raised by any responsible person about safety hazards. Yes, the pilot is high above the runway; about as high as in a 747, DC-10 or L-1011, so what's the problem? Yes, the plane will carry a lot of fuel, just as does any plane flying. But pilot visibility will be much better than any jet airliner now flying, and flight deck instrumentation will be considerably advanced over anything now in service. No fuel is stored in the leading edges of the wing. Engineers thought about the heat problem many years ago. That's why titanium is used along with insulating honeycomb construction for the skin panels. The edges will heat to about 450 degrees at cruise, but won't be very warm on landing—not after flying through -50 degree air. There is not likely to be much hail at 65,000 feet. Other "hazards" mentioned (lightning, ozone, insurance, etc.) are the same ones we have been flying with for 50 years, except that the all-titanium SST will be tougher than any passenger plane ever built.

If Bloomfield had taken the trouble to check some of his information, he would have discovered that his gloomy prediction of permanent cirrus clouds and changed weather patterns is not very likely because at the cruise altitude

(Continued on page 28)

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## Oceans

(Continued from page 15)

phers. The new craft may prove an important tool in future explorations of these virtually unexplored geological features.

With two-thirds of the world's population undernourished, and knowing that if the population continues to expand, it cannot be fed from the land alone, we must broaden our knowledge of commercially important fish populations.

The existing food supply in the oceans is conservatively estimated to be seven times the daily needs of the world's population. In fact there is as much plant matter undersea as all the Earth's pastures and forests and crop lands and many more meat-bearing animals. "This is a factor to consider when we realize that the world must duplicate in the next 34 years all the progress made through agriculture since the beginning of time if enough food is to be produced for the 3½ billion more people expected to populate the earth by the end of this century," says Russell C. Larson, Dean of the College of Agriculture of Pennsylvania State University. Undersea vehicles will help us do so. Fisheries oceanographers would be able to track and observe the migrations of tuna and salmon. Oceanographic variables affecting these and other species, such as haddock and shrimp, can be measured to provide the physical, chemical and biological data needed to predict their abundance and distribution. Perhaps in time scientists will herd fish like cattle, increasing stock for market yearly. It is important that we do so; after all, the United States has fallen from second place in 1956 to fifth place among the world's most productive fishing nations. In the meantime, the domestic fishing fleet has been unable to meet the nation's increasing demands and seafood is being imported in larger quantities than ever before in our history.

More knowledge is needed about the plant and animal planktonic life upon which the larger ocean predators feed, and the behavior of many kinds of marine life. In these, and other tasks such as observing the responses of fish and marine organisms to fishing gear while it is in operation, manned submersibles will play an increasingly important role. Biologists are also eager to identify and collect the larger and incompletely described mid-water creatures which presently evade most surface-towed nets. Squid, for example, are distributed throughout the world oceans. Yet, little is known of their living habits. Undersea vehicles would enable the oceanographer to track and study these organisms. Working in their natural habitat, he could learn more about their distri-

bution, behavior and inter-relationships with other life in the mid-water environment.

Another research challenge is our limited knowledge of the whales and porpoises ranging the oceans of the world. With improved visual sighting and echo-ranging techniques offered by undersea vehicles, biologists could learn more about these interesting but elusive sea mammals; how deep they dive, their feeding habits, their emitted noises and target strengths.

Exploration of the ocean depths is one thing but living within them is quite another. However, even here man is forging ahead with marked success in this world without sun. Designers have visualized hotels and other structures beneath the seas. The French oceanographer, Jacques-Yves Cousteau, believes that the bottom of the sea will be colonized sooner or later. It has been suggested already by Dr. James H. Wakelin, president of Scientific Engineering Institute, that we construct dwellings, laboratories and even military establishments under seas.

Cousteau's "Precontinent No. 2," a three building complex sunk about 80 feet into the Red Sea, have already tested the feasibility of man's living and working for extended periods in submerged dwellings without ill effects.

Recently four men spent 10 days 200 feet below the sea in a U.S. Navy Project Sealab. This 40-foot long 10-foot-wide chamber was open at the bottom, and the men went out the door in aqualungs to work, laying beacons and taking photographs. They breathed "air" diluted four-to-one with helium and compressed to normal oxygen pressure by the sea. This experiment off the Bermuda coast proved that commercial exploitation of the sea could be done economically, safely, and for long periods from underwater houses.

More elaborate projects—an underwater restaurant in Japan and a vacation complex beneath the Caribbean off Puerto Rico—are in the advanced planning stage.

Underwater construction is no longer a problem. Units can be fabricated on land, towed to a selected site, sunk and anchored into prepared foundations in calm waters below the sometimes turbulent surface waters.

Variable height platforms floating above the waves would provide dock or landing facilities for boats, helicopters, seaplanes or other craft. Elevators would speed visitors to the underwater dwellings which would contain access facilities for passenger submarines.

Electrical power could be supplied  
(Continued on page 40)

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## Elks Master Christmastime Art of Giving

Carried along by the true spirit of Christmas, Elks throughout the land worked long hours last year to spread yuletide cheer wherever it was needed. From a small-town family without quite enough food for a Christmas dinner, to an American soldier in Vietnam out of cigarettes, to a hospitalized child longing to attend a party, the Elks saw what was missing and supplied it. The report on the 1969 Christmas charity programs of the lodges affirms that Elks really have mastered the art of giving.

Last year 625 Lodges reported their charitable activities to the GL Lodge Activities Committee. These lodges alone assisted or entertained almost 200,000 persons for a total expenditure of \$720,873. Programs of the remaining subordinate lodges, not included in these figures, bring the totals much higher.

Weeks before that special day when Santa has filled all the stockings and mother has prepared the turkey with all the trimmings, Elks and their ladies were busy collecting food, sorting clothes and toys, and finding the needy recipients. Uncounted hours were spent packing baskets, wrapping toys, and readying Santa's costume. Each lodge demonstrated the goodwill of the season in its own individual way.

For more than 35 years, Duncan, Okla., Lodge has sponsored its Christmas Basket Center. In addition to providing 130 complete dinner baskets for families in the area, it served as a



Clutching their presents and filled with the warmth of Christmas, these young boys gather around Santa to give him a hug and smile to express their appreciation after attending a party given by Port Jefferson, N. Y. Lodge.



Chatting with Santa Claus and receiving presents are two of the wonders children thrive on at Christmas. In this case (above), a handicapped lad from Horseheads, N. Y., gets a bag of goodies and a visit with the Jolly Old Man, while (at left) a young lass from North Platte, Neb., sits on Santa's lap to tell him of her yuletide dreams.





The merry gaiety of Christmas is brought to life by a gala array of costumes worn at a children's party in Redondo Beach, Calif., (top photo). A clown, indian, fairy princess, and, of course, Jolly Old St. Nick add to the children's fantasy visions of the joyous season. To keep this fairy-tale image alive in the hearts of youngsters from Bozeman, Mont., two of Santa's helpers lend their hands to put the finishing touches on hundreds of toys and food baskets distributed to keep the spirit of Christmas alive.

clearing house for individuals and organizations wishing to "adopt" a family for Christmas.

Sheridan, Wyo., Lodge Brothers took 144 local children on a shopping spree to let them pick out their own toys, while the Elks picked up the bill. The program at Slidell, La., Lodge was three-fold; the members gave out food baskets, sent cigarettes to troops in Vietnam, and held a party for children at the Southeast Louisiana Hospital in Mandeville, under the direction of the Elks' ladies.

Although everyone enjoyed the clowns, magicians, songs and refreshments, the climax of every Elks' holiday party was, of course, the arrival of Santa. He was greeted with squeals of delight and applause whenever he appeared: at Fort Smith, Ark.; Midland, (Continued on page 48)

Fruits, canned goods, and meat are neatly stored in rows of baskets to provide the needy in Fayetteville, N. C., with a dinner appropriate for a Christmas celebration.



## CHRISTMAS 1970

The Magazine staff feels sure that Christmas 1970 will be a memorable one for the many who gain inspiration from the Elks' charitable Christmas programs.

This year's brochure should be sent to GL Lodge Activities Committeeman E. J. Nunn, 205 Pythian Building, Jackson, Tenn., 38301. Black and white glossy prints, preferably accompanied by their original negatives, should be included.

Please do not send any material to the Magazine.



(Continued from page 24)

of the SST, contrails rarely if ever form. The conditions of humidity and temperature are just not right for contrails. His remark that the SST engines will be worse polluters is also unfounded; the truth is they will be "cleaner" than other jet engines. One SST, at cruise altitude carrying 300 people at 1,800 miles an hour will emit no more pollutants than three automobiles going 60 mph and carrying perhaps 12 people.

The one heartening remark in the story turns out to be the quote that 1 American in 25 will fly in an SST sometime in the future. An impressive number of people, when you think about it, but other indicators point to even greater percentages. It doesn't take much to see why: at the same fare, a plane that will get you there twice as fast is bound to be more popular.

An important aspect of the U.S. SST program was completely overlooked by Bloomfield. Boeing is presently building two prototype aircraft, the first of which is to fly in late 1972. From extensive flight tests, operational data and pilot's reports of these planes will come enough information to give us an idea of just what the SST will and will not do. Without the prototypes we could not make a rational decision on going ahead with a full production program.

The \$290 million fiscal 1971 funding for this key program is less than 3 per cent of the Department of Transportation budget for the fiscal year 1971 and about a tenth of one percent of the national budget. It will mean the U. S. can stay on schedule to meet the serious

challenges posed by the Russian Tu-144 supersonic (which is supposed to go into service in 1971) and the French/British Concorde, both of which are subsidized outright by their governments.

Mr. Bloomfield's use of quotes against the program by government officials is interesting. He extracts a quote from a letter written in March, 1969 to James Beggs, Under Secretary of the Department of Transportation, by Arnold Weber, Assistant Secretary of Manpower, which says "the employment increase from SST production would be negligible and would occur in professional and technical categories where shortages already exist." There happens to be another letter dated July, 1970, written to the President of the United States by Mr. J. D. Hodgson, Secretary of Labor (and Mr. Weber's superior) which says, "Clearly our leadership position will be forfeited if Federal Government support for the SST is not forthcoming . . . the basic manpower talent needed for production of this product is now available in abundance and can be expected to so continue. For the first time in two decades, engineers, skilled technicians and capable aircraft mechanics are not in restricted supply. In fact, some of the Nation's softest labor markets may today be found in aircraft producing centers."

Mr. Bloomfield also mentions a Mr. Wilbur Ferry writing for SATURDAY REVIEW magazine who said the SST is a "horrendous invasion of privacy." If SATURDAY REVIEW is the source selected by Mr. Bloomfield for SST information, I suggest he read the

cover story by Horace Sutton in the August 15, 1970 issue. In fact, he might talk to Mr. William Patterson, Executive Vice President and Publisher of SATURDAY REVIEW, who has strongly supported the program.

Many national organizations and government agencies support the SST program. These include the International Association of Machinists, the American Legion, the AFL-CIO, the National Association of Manufacturers, the airlines, the U. S. Congress, the President's cabinet and the past three administrations. Their concern for the national welfare in the years ahead probably is more sincere than the anti-SST views expressed by the various groups of instant experts cited by Mr. Bloomfield, who went looking for a crusade and stumbled onto the SST. ■

*Mr. Bloomfield to Mr. Coffey:*

You may include me with the "instant experts" who went looking for a crusade and stumbled onto the SST. Perhaps I did stumble onto the SST, almost a decade ago, but any small crusading spirit was kindled far earlier. I am old enough to be appalled by the deterioration of our environment and quality of life. In the mid-fifties I went to Frank Rasky, editor of *Liberty*, with an outline for an article on "smog"—a new word to us—and raised a laugh. Now quite several are talking and writing about it.

Dr. William A. Shurcliff, author of the Handbook and Director of the Citizens League Against the Sonic Boom, is a PhD in physics from Harvard as well as an alumnus of the Harvard Graduate School of Business Administration, is Senior Research Associate at the Cambridge Electron Accelerator, formerly was assistant to Dr. Vannevar Bush of the Office of Scientific Research and Development in World War II, and co-editor of the Smyth Report on the atomic bomb project.

I shall, then, not hesitate to acknowledge when applicable. The first newsstand edition (Ballantine, Feb. 1970) reached me while I was working on this article and page references will be to the First Printing. I knew that this revision would be up-to-date as I had been invited back to Cambridge to collaborate—an offer I declined, and I found it a handy reference.

Another source will be B.K.O. Lundberg, Aviation Consultant and former Director General of the Aeronautical Research Institute of Sweden. References will be to his Report No. 132, which I have on hand, and which he mainly based on his Report No. 128 which was presented at the Organization of Economic Cooperation and Development  
(Continued on page 45)

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# It's Your Business!

## BE "INVESTMENT SMART" IN 1971!

The year 1969 wasn't the best year in which to try to raise venture capital. But when Edgar F. Heizer, Jr., launched his own new business in September of that year, he and his associates had capital of \$81 million, which was provided by a group of eager backers who were confident that the new Heizer Corporation would make that \$81 million *grow big fast!*

How? In various ways—one being to put some of that money into the right kinds of "penny stocks." If you know what you're doing—and have the money to spare—it's quite possible to build a \$10,000 penny-stock investment into \$50,000 . . . \$100,000 . . . or perhaps even \$300,000 or more! . . . in just five or six years!

One investor who's made quite a lot of money through this investment strategy (which is only one of its many investment strategies) is that busy corporate person known as "Allstate Insurance Company." And it was Edgar F. Heizer, Jr., who for seven years had been supervising that part of Allstate's investment operations before he left to set up Heizer Corporation.

Heizer's qualifications for being an investor are pretty impressive. He has a Yale law degree and is a C.P.A. Before joining Allstate he worked first in a big public-accounting firm (Arthur Andersen & Co.), then in a big brokerage firm (Kidder, Peabody), and then in a big management-consulting firm (Booz, Allen & Hamilton).

Imagine with how frosty an eye such a man would be likely to regard some "tremendous glamor growth opportunity" offered to him by a fast-talking promoter of some "Promised-Land International Underseas Mineral Rights, Nursing Homes, Pizza Parlors, and Computer Software Development and Franchising Enterprises, Inc."

In fact, because Heizer and his team intended to be quite *careful* about investing the \$81 million their backers had supplied them with, they still had

\$70 million of it, as of last July, uncommitted to venture-capitalization investments. They just hadn't found enough *good* venture-capital investment prospects. So instead they were letting that \$70 million *draw interest*—and just think of how *much* interest it was earning!

How much money will *you* be able to *put to work* for you in 1971? And in what way—or ways—will you put it to work? "*Decisions! Decisions!*"

There are many different ways to use money to make money. What's to *your* taste? Swiss francs? Blue-chip stocks? The "R.E.I.T.s" ("real-estate investment trusts")? Cattle? U.S. government obligations? "Puts and calls" and "straddles" and "spreads" and "straps"? State or local-government bonds? Diamonds? Conventional real-estate deals? Public (governmental) business corporations? Personal savings accounts? Accounts-receivable financing? Over-the-counter stocks? Private (non-governmental) bonds? Inventory financing? The mutual funds? Warrants? Silver? Currencies? Commodities? Art?

These are just *some* of the ways to use money to make money. Most of them are also very good ways to *lose* money—especially if you jump into them without knowing what you're doing.

The late John Maynard Keynes, the world-famous British economist, could have written—as a *factually true* personal account!—a book entitled "*How I Became a Millionaire by Spending Just a Half-Hour Each Morning in Financial Speculation Before I Even Got Up Out of Bed!*" He actually *did* make himself more than a million dollars in the very way indicated by that imagined book-title! But Keynes, besides being an internationally distinguished professional economist, was also a genuine financial wizard. So he *knew what he was doing* when he speculated in international currencies and commodities.

Contrast his success with the shockingly different case of a certain bank

in Switzerland which *lost \$40 million* because some of its staff got to playing around in *commodities!*

You of course want to *make* money—not lose it—in 1971, whether your role in putting your money to work is that of an *investor*, that of a *lender*, or that of a *speculator*. Your chances of doing so will be much improved if you keep in mind the. . . *BASICS of Money-Management*

The United States government has gone farther than any other nation in setting up *protections* for the *amateur* investor. Just *one* of the many protective arrangements that the U.S. has provided is the Securities Exchange Commission—which has no equivalent counterpart in any other country! (For example, the British Board of Trade is a weak sister indeed compared to the SEC.)

But as has been demonstrated over and over again—in the Booming '60s as in the bad old Roaring '20s—there are hundreds of thousands of American amateur investors who really don't *want* to be protected! A legion of conscientious financial advisers have worn themselves hoarse giving urgent warnings to those amateurs—"Don't try to 'beat the market!' . . . Don't incur debt in order to make investments! . . . Don't make any investments until you've developed adequate basic-needed financial security! . . . Don't *speculate* with any money that you couldn't actually afford simply to throw into the river! . . . Get competent legal and accounting and financial guidance before making a serious financial commitment! . . . Be *realistic* in balancing risks against growth prospects or earnings prospects! . . ."

And so on and so on. But none of these warnings are listened to by the over-eager—and often all too greedy!—amateur investor who, time after time, rushes into some new "glamor growth" investment prospect because he "got a real hot tip from a guy I go bowling with who's the manager's friend."

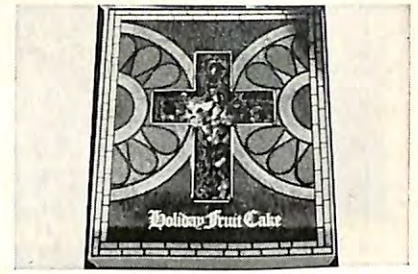


# Elks

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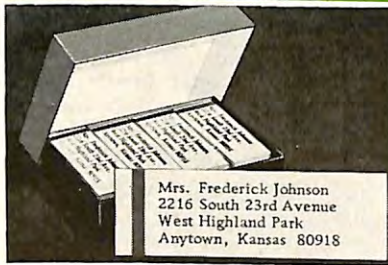
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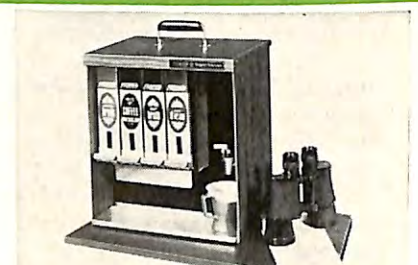
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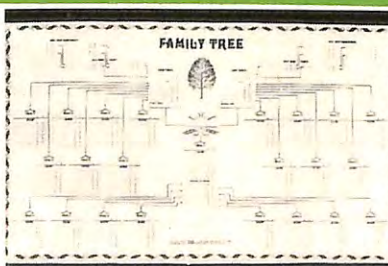
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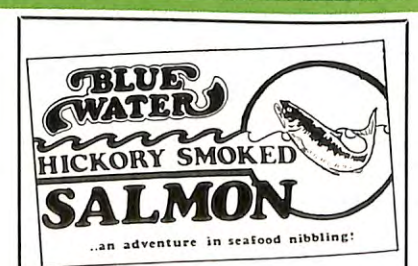
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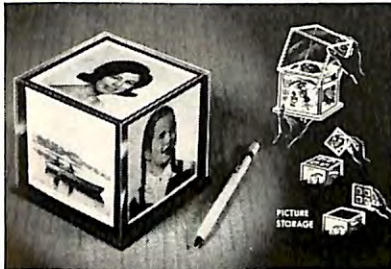




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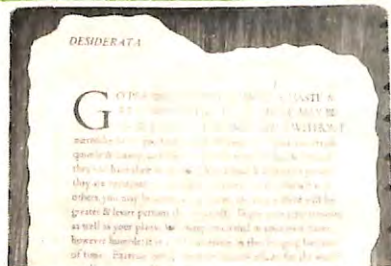
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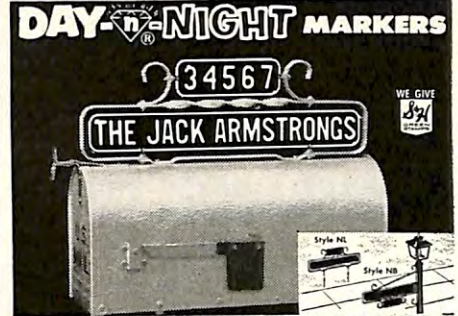


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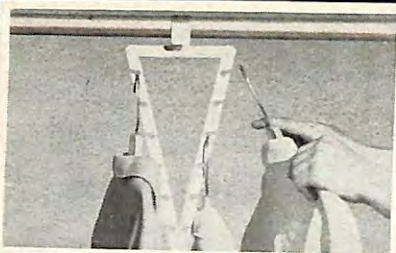
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MUSICAL FLASK PLAYS BEETHOVEN'S 5th. New Violin Flask produces a symphony as you pour a drink. Its clarity and tone will amaze you—and your guests. Lovely, detailed earthenware flask holds a full fifth of your favorite spirits. 12 1/2" tall x 5" wide. \$5.70 ppd. Perna Co./Imports, Dept. EK-12, 1155 W. McKinley, Sunnyvale, Calif. 94086.



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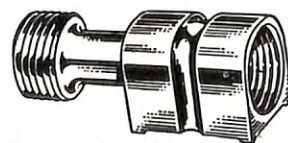


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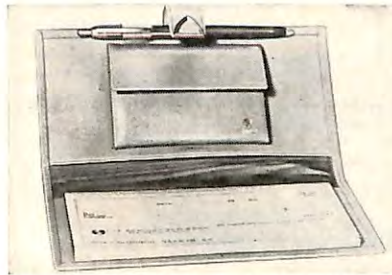
**OUTDOOR LIGHTS GO ON AUTOMATICALLY** at dusk, go off again at first daylight, controlled by Outdoor Magic Eye. Screws into standard socket to help keep away burglars, vandals, around home, store, office. Weather-resistant, guaranteed. \$5.95 ppd. 2 for \$11.85. Collier's, Dept. E-127, P. O. Box 585, Skokie, Illinois 60076.



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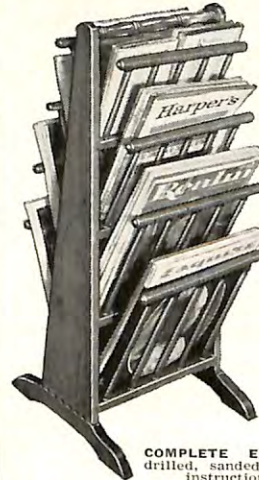
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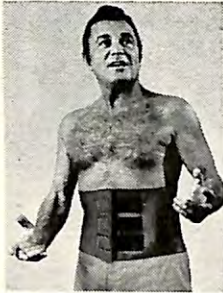
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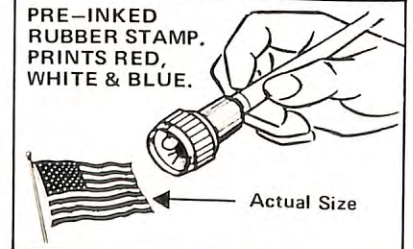


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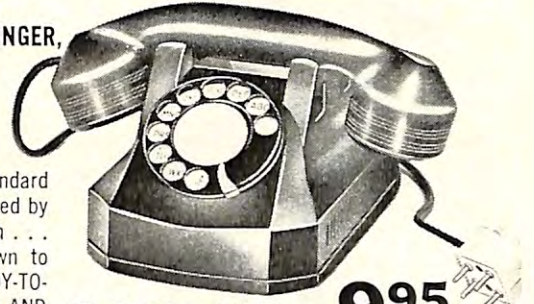
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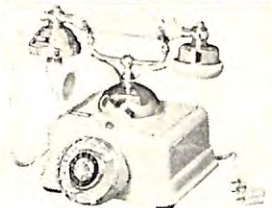
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## A Christmas Carol (Continued from page 17)

Fortunately, though, the veil over who is the rightful author was lifted when a letter signed by Franz Gruber, dated in 1854, was discovered in the dark recesses of an old Austrian church where Gruber was the organist and head choirmaster. In it, Gruber said that on December 24, 1818, Joseph Mohr handed him a "poem" and asked him to set it to music.

Gruber composed furiously all that day to satisfy the father, writing two harmony lines, a melody line (for the church choir), and a guitar accompaniment. The song was performed, according to Gruber, "on that holy night of Christmas Eve and received with all acclaim."

Indeed the song was well received; for Silent Night spread quickly from

village to village, from tiny hamlet to giant, bustling city, until within a short



ten years all the great cities of Europe had adopted it as their favorite.

Today, more than a hundred different nations around the world from Mexico to Ethiopia honor Joseph Mohr and Franz Gruber annually with the best-loved and most widely known (and translated) of all Christmas carols. And people continue to glorify Silent Night as the subject of books, pamphlets, articles, plays—even movies—right down to this very day.

How can such a technically simple song be so popular? Well, probably because it covers, in its four short stanzas, the entire birth of Christianity—from the quiet darkness of the night, the sudden, bursting star, the shepherds, the angels, the wisemen paying homage to the infant, all the way down to the very last stanza, calling for all men everywhere to unite and sing praise to the Lord. And many men have answered. For, as the last lines of the carol assures us, "Christ the Saviour is born, Christ the Saviour is born." ■

## Oceans

(Continued from page 25)

via ocean bottom cable, or in the future, from fuel cell batteries, nuclear power plants or hydro-electric plants driven by the ocean currents or changing tides.

Man need not be restricted to the confines of his sub-sea abode. Pressurized water locks would provide egress to the surrounding waters.

New developments have uncovered an unsuspected ability of unprotected man to free dive to depths far beyond the customary 250-foot limit. By replacing nitrogen with helium in his air tanks, he may be capable of descending nearly a mile with scuba gear alone.

(Man may someday abandon artificial breathing gear entirely in favor of an ultra-thin rubber membrane which has worked successfully as a gill in laboratory experiments.)

Designers envision a variety of vehicles for underwater sport and sight-seeing. Transparent diving bells and open shark-proof cages have been created for photography and fishing. "Wet" aqua-scooters (open vehicles in which passengers use artificial breathing apparatus) and, for the less adventurous, enclosed family subs, will provide transportation through the depths.

The sea's eventual contribution to the well-being of man will be dependent upon his vision, ingenuity and determination. New processes, new techniques will have to be perfected to fully utilize the resources available.

A great many jobs will be created by this new science. Current estimates show that oceanographic jobs in the United States will grow from today's 5,800 to 100,000 by 1980. By the end of this decade about 20,000 oceanographers will be employed by the civilian

agencies of the government. The same number will be employed by the U.S. Navy, while universities and institutions will need 10,000 and private business will require about 50,000.

As Robert W. Morse, former Assist-

ant Secretary of the Navy has said, "By developing the ocean's abundant resources and modifying this hostile environment to the service of mankind we will enhance our security, our welfare, and our economic well-being." ■

## ELK OF THE YEAR

### Exalted Rulers:

How do you keep a good Elk working? Recognize him for the good work he has done. Then, instead of feeling his accomplishments were not appreciated, he will continue to devote his talents and abilities to your lodge activities.

The "Elk of the Year" program makes it possible to give special recognition to a Brother, not an officer, in your lodge who has contributed to the success of the lodge. One of your members deserves this honor because of his outstanding contributions to the lodge's progress during the past year.

The "Elk of the Year" program has been rewarded with enthusiastic reception in many lodges, and the members wait with eager anticipation for the announcement of the winner and the presentation of the citation at a suitable ceremony. From the largest to the smallest lodge, this program is one that will attract the attention of all members.

The important thing is to get started and follow through on this program. Any member not a current officer who has made a solid

contribution to the progress of the lodge is eligible.

The rules are simple:

1. Appoint a committee of dependable and conscientious members capable of fairly evaluating the performance of candidates.

2. Establish the deadline of Feb. 28, 1971 for your final selection and notify Frank Vossel, Grand Secretary, 2750 Lake View Ave., Chicago, Ill. 60614, of the decision. He will send you a beautiful certificate signed by Grand Exalted Ruler Glenn L. Miller.

A special ceremony for the presentation of the citation would indeed make the winner a very proud Elk. A special initiation class, to be known as the "Elk of the Year Class," could be planned in honor of the winner. Regardless of what procedure is followed, a news release, together with photographs, should be given to the local press as well as state and lodge bulletin editors.

Make your lodge one which shows its appreciation for the loyalty and enthusiasm of its members by recognizing the "Elk of the Year."

Alex A. McKnight, Member  
GL Lodge Activities Committee





**ELKS NATIONAL SERVICE COMMISSION**



## Arts & Crafts Competition

In connection with the observance of the 25th Anniversary of the Veterans Administration Voluntary Service the Elks National Service Commission is conducting an Arts and Crafts Competition in all Veterans Administration hospitals throughout the United States. Articles such as paintings, sculptures, ceramics and those made of leather, wood, metals, etc. in manual arts, occupational and educational therapies, together with hobby shops, will compete.

Entries will be judged by the hospital's professional staff in consultation with our Elks Committees on three levels. They will originate at the hospital level and graduate to State and National consideration. Cash prizes will be provided by the Elks for all winners. Emphasis will be placed on the therapeutic value of the effort that went into the production of the craft and the originality of the design rather than the quality of the finished product.

The objective of the contest is to stimulate the creativity of the patients in the light of their abilities and disabilities. It is therefore not so much a matter of competing as it is for the patients to recognize how well they can perform if motivated to make the maximum effort. Such stimulus can be of assistance in the re-

habilitation of all patients who take part in the contest. Accordingly the therapeutic goals will guide the judges in their selection of award winners.

The Elks National Service Commission has always realized that the hospital day is a long one in the interim of our Committee visits. Lethargy retards recovery. Active minds and busy fingers are treatments which dispel monotony, help coordination, give strength to unused and injured muscles and teach new skills for the handicapped. For years we have furnished Veterans Administration hospitals with finished leather hides, textiles, ceramic supplies and other materials for arts and crafts. As a consequence of our long time interest in this phase of patient treatment, the Veterans Administration singled out the Elks National Service Commission as the organization evidencing the greatest concern in this area of therapy.

Thus when the Elks Committees are not at the hospital to give encouragement and hope, there exists constant evidence that Elks are trying to help the hospitalized veteran along the long road to recovery. We have promised to always remember sick and handicapped veterans. Elks do not forget!

National Service Hospital Representative Lawrence E. Mitchell, Augusta, Ga., Lodge, and Dr. Jack B. Mohney, Chief of P.M.R. of Veterans Administration Hospital, look on as patient Donald Hamilton of Aiken, S.C., weaves a rug to enter in Elks Arts and Crafts Contest sponsored by the Elks National Service Commission.



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# IRELAND

## FOR ELKS WHO TRAVEL

by Jerry Hulse

LAST SPRINGTIME while Ireland wore its finest greenery and the heather waved a yellow bouquet and the world was cleansed with a new-fallen rain, I arrived in Killarney. At O'Shea's smoke curled from the chimney and a tea-kettle hummed on an old-fashioned stove. O'Shea's happens to be the grandest farmhouse in all of Ireland. Where else is a tourist bid to spend the night for a mere \$2.40, a price taking into consideration breakfast as well as shelter? With a certain amount of chagrin, however, Mother O'Shea apologizes profusely; she finds it necessary to hike the price in summertime—an extra 20 cents a night she asks! A bit o' heaven it is, this old gingerbread place called O'Shea's Farm House—the oldest dwelling in the parish of Killarney. Roses climb its two-story walls and an apple orchard occupies the grassy hillock behind the barn.

Breakfast at O'Shea's consists of orange juice, corn flakes, bacon, sausage and eggs, home-baked bread, home-made jellies, jams and tea. The old home rises from the greenest pasture in all of Ireland, an 80-acre parcel described by Mother O'Shea as "only a small little spot." One nonetheless she'd not trade for all of Ireland. "The most

we have is scenery," the old lady said, which is like apologizing for the emerald hues of Ireland itself. Had Hollywood personally planned it for one of those technicolor flicks, no grander scene would have possibly evolved. I strongly suspect that Central Casting hired Mother O'Shea to play her role. There she was, bless her, leaning in the doorway of the rose-colored, two-story farmhouse just at sundown—one hand fidgeting at a wave of white hair.

Geraniums grew blood red from a window box and inside the door a grandfather clock ticked away the hours. While Pop O'Shea tended the cows, Mother O'Shea poured for her guests from a decanter of port. On one wall hung the O'Shea coat of arms as well as a picture of John Ash, a cousin who fought for the Irish Republic and died heroically.

Pop O'Shea was born in the old farmhouse as was his father and his father's father, as well as the O'Sheas' six daughters and three sons, which Pop figured was as good an excuse as any for taking in guests, a practice begun in 1932. Alfalfa fields green as spring clover sweep from a hillock toward a valley framed by heather, the air sweet and pure as new fallen rain. What better

Ireland's capital city of Dublin might seem small by American standards, but it's the most populated city in Ireland with just under 570,000 people calling her "home." If you're planning on motoring through the countryside, though, make sure you're prepared to drive on the "wrong" side of the street—European-style.







reason to visit Killarney? Besides O'Shea's, shelter is provided at 30 other private dwellings and 27 hotels for a grand total of 7,000 guests, a figure equal to the entire population of Killarney. It is indeed Ireland's biggest concentration of hotels outside of Dublin itself.

In Ireland you've the choice of cottage, cart or castle (as well as an ordinary hotel). Wanderers may settle for the splendor of Dromoland Castle, hitch their wagon to a horse, or else book into an Irish bungalow dripping with thatch. Several cottages standing on a grassy hillside overlook the picture post card village of Corofin, 25 miles south of Shannon. Others rise beyond the shores of Galway Bay in Ballyvaughan. Besides the thatch on the roof, cottages come equipped with open hearths, rocking chairs and lanterns fueled by kerosene. Such is the facade the landlords endeavor to convey to tenants—the sensation of stepping across the threshold into another century.

Each cottage is provided with built-

*From horse-drawn holidays on wheels and frolicking in Ross Castle to countryside cottages for rent—all are yours for the asking in picturesque Ireland.*

in kitchen appliances, modern bathroom, central heating and electrical lighting. Shelters sleeping up to eight are priced from \$95 a week in the high season to \$30 a week during winter time. Both linen and housekeeper are fringe benefits, making the cottage raffle one of Ireland's more appealing tourist temptations. While less than two dozen cottages are available presently, an additional 80 are under construction. (Write to Rent-an-Irish Cottage, Shannon Free Airport, County Clare, Ireland).

For those with an itch to be on the go, Shannon Horse Caravans (Adare County, Limerick, Ireland) suggests that you hitch your desire to a cart. A horse cart, no less. Such conveyances,

including the horsepower, rent for \$65 a week. Gypsy caravanners buy fresh farm produce while plodding through the peaceful Irish countryside. They overnight in such settings as the fields adjoining Foley's Lounge Bar at Askeaton and the Abbey Tavern in Abbeydorney. The rolling pad comes furnished with foam rubber mattresses, linen, dishes, utensils, a gas cooker, lights and stainless steel sink.

Should you, however, prefer a more stationary shelter along with servants and such, Dromoland Castle near Shannon lowers the drawbridge to 79 luxuriously appointed rooms. The castlekeeper asks \$42 to \$75 a night per couple, meals included. Open between April and November, Dromoland is a 16th century Gothic castle complete with private golf course, tennis courts, trout and salmon streams. There are in addition fox hunting forays into the surrounding woodlands twice a week. The home of the 16th baron of Inchiquin, Dromoland was bought lock, stock

*(Continued on page 44)*



and turret in 1962 by American industrialist Bernard McDonough. Lord Inchiquin's forebears took title in 1543 when Henry VIII deeded them title for swearing their loyalty.

Explains McDonough: "I saw it one afternoon and bought it 30 minutes later. I thought it would be fun fixing it up." Such amusement cost McDonough \$1.5 million. There was the matter of 70 rooms with 70 bathrooms. After this thick carpets were laid. Walls were painted and flocked. Central heating was installed. Such a spiffy castle no king ever dreamed of owning. It has sheltered the likes of Princess Grace of Monaco, actor Fred MacMurray, the Beatles and other personalities. From outside it is cold and gray and turreted while inside it offers Irish elegance along with meals that include Dublin Bay prawns, native salmon, brook trout, Irish bacon and spring lamb. Golfers tiring of the local links have their choice of more than 200 others throughout Ireland. Summer golfers play until nearly 11 o'clock at night, the greens fees varying from 60 cents to \$2.40 a day.

The only thing there are more of in Ireland than golf courses are pubs. Bofey Quinn's among them. Bofey Quinn rattles around her 130-year-old pub on the main drag of Corofin, pouring Irish whiskey at 42 cents a shot. That and Guinness stout. A peat fire burns in one corner of the room while Bofey serves and someone else performs on a vintage piano. Soon the liquid spirits inspire a round of singing. The more Bofey Quinn's customers sing the thirstier they get; the thirstier they get the more they spend and the louder they sing. The pub is noisy and Bofey Quinn is getting rich.

Earlier on this pleasant pilgrimage of Ireland a TWA jet had deposited us at Shannon after the Atlantic crossing. At Shannon the perennial pop tune is "money from heaven." The stuff literally flutters out of the skies, showered down by tourists in return for duty-free merchandise ranging from half-dollar tourist trinkets to \$1,800 platinum and diamond watches. It was in 1947 that the Irish decided Ireland should be made a shade greener. The idea was to launch the world's first duty-free airport store. As predicted, the earth grew greener with each passing buck. Last year the take amounted to \$6,250,000, which any citizen of the auld sod will confess is a great deal of green, indeed. Thousands of North American tourists begin or end their holidays at the airport. To accommodate them hundreds of new hotel rooms have risen, among them the International, the Limerick Inn and Clara Inn. With Ireland growing ever greener, no one in Shannon is jobless. With the arrival of the huge

747 jumbo jets, Shannon looks to double the number of tourists.

As for the tourists, they're carrying home booty enough to fill a fleet of jet liners: sweaters from the Aran Islands, porcelain from Denmark, Japanese cameras, French perfumes, Cashmere sports coats (\$36.50 at Shannon vs. \$95 in New York and Los Angeles), tape recorders, binoculars, transistor radios, jewelry, booze. At Shannon, it's Christmas 12 months of the year. The mail order business alone is responsible for a \$1 million a year take. "Buy as you fly" is the airport slogan. Today Shannon has become Europe's biggest bargain. The Shannon Free Airport Development Co. is involved in dozens of other enterprises, among them such bargains as the Bunnratty Castle tour. The old 15th-century castle, formerly a museum, is Shannon's showcase for sightseers. Members of the development company dusted off the furniture, brought in a chorus of pretty girls, swathed them in medieval gowns, lit candles and declared the old digs alive again. If you've never heard a girl play

the harp by the hearth in a 15th-century castle, this could be your cup of mead. On the other hand, even if you have, it could be worth a repeat performance. The 24-hour fling—including food, grog and song at Bunnratty's torch-lit banquet hall—comes to \$26 together with hotel room, breakfast and lunch.

There is, in addition, tea in a thatched cottage, a goblet of Guinness at a local pub, Irish dancing and Irish coffee. Cheaper still is Shannon Free Airport's cottage tour—three meals, sightseeing, entertainment and hotel priced at \$15. As an added inducement, Shannon's passengers—wary of the Atlantic crossing—march directly from jets into rooms at Shannon International Hotel. This, as any member of the Jet Lag Set will tell you, beats the long bus ride into town from other European stops.

After Shannon and Corofin and Kilarney I made my way to Dublin, which as any Irishman worth his Guinness can tell you is the drinking man's town. Pub crawling isn't just a way of life in Dublin, it's what life's all about. What with

(Continued on page 48)



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Brother Arthur Dittmer, Chicago (North) Lodge, received this certificate from President Nixon in recognition of his continued work on the Easter Bunny Program. The program began 15 years ago when Brother Dittmer, dressed as the Easter Bunny, visited local hospitals with candy for young patients. So many other Illinois lodges followed his lead with similar programs for hospitals, orphanages and shut-ins that it was adopted as a state project.





## Rebuttal

(Continued from page 28)

Conference on Sonic Boom Research, Paris, Feb. 2-3, 1970. And I shall probably quote from Karl M. Ruppenthal, veteran airlines pilot and Director, Transportation Management Program, Graduate School of Business, Stanford University.

Do not imagine I am anti-aviation. I was first up in a Jenny (Curtiss JN4) in 1919; have taken off from old Boeing Field and, many times, from Lake Union; have propped or jetted transcontinentally and coastwise. The bigger and faster your ships, the more crowded the airports, the more I am of the opinion that few people really travel anymore. They are herded into winged auditoriums, encapsulated, lulled with snifters and snacks and saucy stewardesses and shot to their destination.

Obviously there are not only two schools of thought as to what constitutes progress but, as far as the SST is concerned, differing opinions on almost every facet of the project. It is difficult, as you remark, to separate wheat from chaff.

An important point, as you will appreciate, is the time lapse from design to finished product. Research on this article terminated in March, 1970, and the Ms was in the mail on April 8. Much has happened and been written in the meantime and at least a couple of your points are postdated; things I should have known hadn't even taken place at the time of writing.

I shall try to respond to your critique—which becomes a valued addition to my files—adequately, though to counter each and every challenge might be an absurdity. As moved, I shall add items, also taking advantage of the postdating factor.

*Sonic Boom:* Much attributable to Lundberg (No. 132 en toto) and Shurcliff (Chaps 3-6 incl.) As elsewhere, figures have varied and am gratified you found my cruising psf satisfactory. The fact that the industry has bowed to pressure to presumably be limiting supersonic flight over certain areas seems to indicate severe annoyance and damage potential. And many are concerned that others should presume to decide when a window is properly installed or when a boom is acceptable.

Much lighter, smaller Concorde 002 recently made supersonic run down western fringes of England. Altitude 46,000, speed 1,230. Would seem operating in safe, normal manner. "... complaints from householders of broken windows, loosened roof tiles and frightened animals were received by British Aircraft Corp. officials." (AP) Bristol, England, October 13, 1970.

"... a forthcoming book, 'Fight for Quiet', contains the following passage on galley 54:

"the probability of material damage being caused by sonic boom generated by an aircraft operated in a safe, normal manner is very small"

The statement in question did indeed appear in the report cited. But that statement was subsequently reconsidered by an appropriate committee of his Academy and was retracted. Accordingly, it is our hope that the author of this book will delete that quotation. Minimally, he should note the later retraction." Letter from Philip Handler, President, *National Academy of Sciences*, to Mrs. Mary Riecken, Trades Book Division, Prentice-Hall, Inc., July 10, 1970.

Lundberg (p6ff) expounds at length on a boom characteristic not publicized by the industry, the inevitability and frequency of superbooms. These, as you know, may be caused by horseshoe magnification, atmospheric effects, flight manoeuvres, overlapping boom carpets, and topographic features. The paper is lengthy and quite technical but

we find: "Thus, the horseshoe boom on track will often exceed 10 psf and might reach the very high level of 20 psf... Therefore, the horseshoe boom alone makes the SST unacceptable." Also, assuming a volume of SST operation according to the FAA estimates for no boom restrictions and a 1/10th population density due to big cities being avoided: "There will, for example, be 100 million events per year where SST booms exceeding 5.5 psf will hit people."

Now, I'm no physicist and I don't know but, considering B.O.K. Lundberg's standing, already given above, it certainly indicates a wide divergence of opinion among the scientists. Which brings up promptly to the next ploy:

*Flight limitations.* Here the credibility gap seems wider than ever. Too, many pledges have been broken by too many in authority in this contemporary world of ours. And we remember former Transportation Secretary Alan S. Boyd suggesting that transcontinental SST flights could loop across Canada. That was October, 1967. More recently:

(Continued on next page)

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(Continued from page 45)

"Great competitive battles will be waged with supersonic transports for business over the great-circle, overocean and Arctic and *subarctic* (my italics) routes in the 1970s and beyond." Stanley H. Brewer, Professor of Transportation, U. of W., *Seattle Times*, November 9, 1969.

What seems like a hint, though no promise, that supersonic flight might be banned over land masses south of the Arctic Circle is a new concept to me and seems unreal. The Arctic Circle has neither demographic nor ecological significance. Should such a rule be established many great-circle flights would be seriously crippled. You can imagine the constant pressure of the operators to have the boundaries moved south; even outright evasion is probable. Even north of the Circle are many sizeable settlements, weather stations, much oil and other geophysical exploration. Broken windows could be far more deadly up there than in a city highrise. And the subarctic is even more populated.

And scores of species of birds, favorites in the U. S., nest far within the Circle.

Overocean acceptability under grave question, too. Lundberg, 25-29; Bloomfield, *National Fisherman*, July 1968.

Even assurances of banning domestic overland flights under grave suspicion. No law yet exists and Proposed Rule issued over signature of John O. Powers of the Office of Noise Abatement (.F.R. Doc 70-4629) April 15, 1970) is full of legal loopholes.

Basically it still comes down to the ethical question: Who is to be boomed? Bloomfield, *Ave Maria*, May 17, 1969.

*Population Centers*. This is inherent in -2-, immediately above. Will touch on it again.

*Marine*: Assume by ". . . doesn't know much about fishing either." you allude to marine life. Some references in -2-, above. Also personal correspondence with B. H. Ketchum, Woods Hole Oceanographic Institute; O. A. Mathisen Associate Professor, College of Fisheries, U. of W.; K. R. Allen, Director, Biological Station, Fisheries Research Board, Nanaimo. Long time personal contact with other fisheries men. Consensus: Just don't know.

Well acquainted with ocean. Hundreds of miles salt water cruising by canoe, sail, motorcraft. Over 30,000 miles deep sea. Atlantic. Pacific.

Understand small psf differential between top and bottom of wave. Could "N" signature of boom have effect? Solar plexus can stand reasonable pressure; snap blow to that of magnificently conditioned Harry Houdini, 1926, killed him.

W. H. Boney, out fishing, of sonic

boom: "All around us fish were jumping out of the water. Some seemed to be dazed as they could have been netted lying on their sides." *Atchison, Kansas, Globe*, 7/12/68.

"It can therefore be safely concluded that a considerable proportion of people at sea would find SST climb booms of 3-4 psf seriously annoying or even unbearable in calm weather and at low or no engine noise . . . Most likely extreme superbooms, at least those exceeding some 8 psf, will be potentially dangerous for crew members working on deck . . . Furthermore, the intense and in many areas very frequent SST booms may have serious *effects on maritime wildlife* (his italics) . . ." Lundberg p26 Bloomfield, *National Fisherman*, op cit

*Atmospheric*: Much, though by no means all, was from ad hoc Committee. And, when our scientists still can't agree whether the significant increase in carbon dioxide and pollutants in our atmosphere is going to warm us up and melt the polar caps or cool us down and bring on another ice age, the layman is inclined to consider that no one really knows what they are talking about.

"The widespread use of supersonic transports will introduce large quantities of water vapor into the stratosphere . . . Both effects (cirrus or significant increase of humidity without cirrus) would alter the radiation balance and thereby possibly affect the general circulation of atmospheric components." *Congressional Record* op cit.

". . . although it is true that possible ill effects from water vapor injection are "not substantiated" neither are they ruled out by existing evidence with the confidence one would want to justify as major an investment as the SST program." Letter from Harvey Brooks, Chairman of the Committee on Science and Public Policy, *National Academy of Sciences*, to Mr. Robert E. Green, also NAS, June 19, 1970.

Am aware that much has been said and done in the past year, including the report of the Science Policy Division of the Library of Congress and, most recently, the pronouncements of your Mr. John Swihart, datelined Houston. *Seattle Times*, October 20, 1970.

*Patronage*: Gratified you find the estimate "I American in 25 will fly in an SST sometime" heartening. Not my figures. This got into the article on the question of national priorities. Your "at the same fare" is, I believe, debatable. I don't think anyone knows how many might fly SST, if available, by the end of the decade. Plans go astray:

On the 747s: ". . . for awhile they carried 300-plus loads of curious travelers.

"Now what are they carrying? An abundance of empty seats.

"They are just like big empty bowling alleys," says a United Air Lines official about one of his line's recent flights. United inaugurated its Jumbo jet service on Sept. 14. During the first week, the planes were only 27 per cent full." *Los Angeles (TPS)*, October 5, 1970.

*Prognostication*. I am aware of your prototype program and of the discontinuous testing of the Concorde prototypes. Of the Tu-144, I have no recent mention. I find your prognostication interesting; personally, would not venture to guess what might lie ahead.

"But however the vote (Senate) goes, I predict that the United States will not build a commercial supersonic transport in the 1970s. I further predict that before the year is out economic and environmental considerations will force the British and French to abandon their SST project, the Concorde." Former Secretary of the Interior, Stewart L. Udall, *Seattle Times*, September 30, 1970.

*Employment*: The letter you quote from Mr. J. D. Hodgson, Secretary of Labor, to the President of the United States, is dated July, 1970, months after article finalized. It had not previously come to my attention; I have other interests besides the SST. In March, 1969, when Mr. A. R. Weber wrote the letter I quoted he was busy with the ad hoc Committee, on whose roster I do not see Mr. Hodgson's name. Possibly association with a group of men with wider interests and a variety of disciplines gives a man a different perspective.

(Continued on page 48)

## Send Greetings

With Christmas almost here again, the residents of the Elks National Home in Bedford, Virginia, are looking forward to the Yuletide Season—a time of joy, a time of memories of old friends and warm remembrances of shared fellowship. Many of these Brothers residing at the Home are personal friends as well as fellow lodge members. Let's send them a Christmas card, a short greeting for the season, to show that we haven't forgotten them and share with them the warmth and joy of Christmas.





BY BILL TRUE

World Professional Casting Champion

## ON AN ISLAND WITH DUCKS AND QUAIL

Waterfowl wings whistling in the dawn darkness—one of the most thrilling sounds any duck hunter knows—greeted us soon after we hunkered down among the water-front rocks on Middle Island. Five minutes filled with tightened nerves later and shooting time arrived, just as two black ducks settled toward the decoys bobbing along the rocky shoreline. Ed Sutton rose from his niche among driftwood and granite and dropped the double neatly with a right and a left from his side-by-side double.

This is the way a memorable hunt began for me on this little speck of an island in Lake Erie, just barely across the Ohio state line into Ontario waters.

Glenn Lau, famous Great Lakes fishing and hunting guide, was our host on the island, and to sweeten the pot Glenn had included two crates of quail among the baggage as four of us made the half-hour trip from Port Clinton, Ohio, to the island in Lau's Chris Craft.

But back to the ducks.

As Ed stood in the early, cloudy light watching the two dead blacks drift about 20 yards from shore, a blonde Labrador retriever obeyed Glenn Lau's hand signal and single-word command, "Fetch!"

Into icy Lake Erie in the classic Lab hind-feet-first dive went Parker, one of the best retrievers I've ever seen work. First one black duck was deposited at Glenn's feet, then the other. A wriggling shake that showered Glenn with cold water and the almost-white Lab settled back down to await more ducks. (At the time of the hunt Parker was still shy of his

very first birthday celebration!)

And we soon learned that the best way to spot low, incoming ducks was to watch the Lab's eyes! When the big dog crouched lower and his brown eyes picked out a spot low on the water you could search in the same direction and invariably spot incoming waterfowl flying so close to the water that they were hard to see in the misty light. Some dog!

Besides Glenn, Ed and myself, our party of four included Bill Laurent, advertising and public relations director for a major fishing tackle manufacturer. We all shot ducks that morning on Middle Island and the bag was mixed, including black ducks and mallards, bluebills, ringneck ducks, a few mergansers and quite a few widgeon, or baldpate. (The latter Laurent calls his "totem duck," because Bill is notably lacking in hair!)

After a hearty lunch in the old farmhouse used to house and feed Glenn's guests, we took Parker out to test him on quail. Most of the birds were concentrated on a grassy meadow and in an old, abandoned orchard. I guess the party busted about 20 birds that afternoon in a couple of hours and Parker, the waterfowl dog, retrieved them like an English pointer.

Ducks and quail were on the menu in the farmhouse that night, and the meal was the kind you enjoy doubly because of the companionship, the surroundings and the pure enjoyment of the hunt.

Middle Island: I sure hope Glenn Lau asks me back again soon!

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## Rebuttal

(Continued from page 46)

“... it is understandable that the SST proponents should raise the hope of new jobs. Before pinning his hopes on the SST, an unemployed craftsman should look at the timetable. No production personnel whatsoever would be needed for five or six years—and that is a very long time to wait for a job.” Karl M. Ruppenthal, op cit.

*Privacy/Saturday Review:* (Also under (2) ‘Flight Limitations’, above) Privacy should be inalienable as any other human right. If it is a question of “Who is to be boomed?” the right to privacy is shattered.

About a month back an area of this Lower Mainland, about 10x30 miles in extent, was so severely boomed in the middle of the night as to jolt tens of thousands of people out of their sleep. There is no argument here as to psf or type or nationality of the craft as neither, if known, was ever revealed. This sort of thing makes people wonder if we know where we are going and what kind of a world we are creating.

Yes, I read Horace Sutton’s story, August 15, 1970, on arrival and found it most informative. It postdated the closing of my research by five months so had not been available to me. I am so faintly surprised, however, that you should make it recommended reading for I find this intriguing quote: “. . . Magruder did turn up a Boeing scientist who had been working in a laboratory environment employing a computer synthesis model. Using a hypothetical fleet of 500 SSTs, he fed equations into the computer to determine the effects on the upper air. In the experiment the answer came out showing the moisture could cause a temperature change of ten degrees. When the report was examined, it was found that computer programming was off by an order of magnitude. What should have been a tenth of a degree was shown as ten degrees, and the direction was wrong.”

It’s that sort of thing which makes the layman wonder: “Who knows what?”

*Proponents/Opponents* You have listed some of yours; I, some of mine. Respectfully, I submit that there is no unanimity among Congressmen nor, for that matter, airline executives. And I, for one, have no inclination to impugn anyone’s sincerity.

We have both bypassed other factors—take-off and sideline noise come to mind—but there is no call to prolong this further.

I do not expect you to agree with much that I have said but I trust it may modify, to some small extent, your opinion of this article. ■

## Ireland

(Continued from page 44)

more pubs per capita than any other single piece of real estate in all of Ireland, Dublin’s fight song is “Bottom’s Up!” No one sang it with greater gusto than Brendan Behan, author, bon vivant and one time explosives carrier for the Irish Republican Army.

Tippling with the ghost of Behan is the wettest tour offered on the Emerald Isle. By rights it should begin at Guinness’ brewery. For one thing Guinness’ is Ireland’s No. 1 employer as well as the world’s biggest exporting brewery. It was also a favorite haunt of the boisterous Behan. Some two centuries before Behan appeared on the scene the first barrels of Guinness slid down the slipway. Today Guinness covers 59 acres, employing more than 4,000 handlers of the hops. With an output of 6 million pints a day, it is Ireland’s foremost thirst quencher.

God rest his soul, Brendan Behan was Guinness’ most ardent fan. Before his fame as an author, Behan had become a familiar figure at the Guinness plant. Joining visitor tours, he would suffer the familiar lecture for what flowed forth at the end: a pint of Guinness to every visitor. “Brendan was a great friend of Guinness,” said a company executive. Some men never die, really, Behan being among them. What they leave behind—the legacy of their living—remains to haunt or to inspire those who follow. Dublin, of course, was Behan’s watering ground and his Waterloo. He lived without regard to flesh and was dead at 41. Stricken with jaundice and diabetes, he sank into a coma on St. Patrick’s Day, 1964. Eulogies were offered up in saloons throughout Dublin—saddened comrades-in-cups describing Behan as the “wild man of

the pubs” and “the world’s drinkingest playwright.” At graveside in Glasnevin Cemetery a comrade from the IRA quoted the writer’s own words: “Wrap up my green jacket in a brown paper parcel. I’ll not need it anymore now.”

Still, the memory of Behan remains alive as pub-crawling tourists visit the author’s favorite watering holes. His drinking tankard is englassed at The Bailey (2 & 3 Duke St.) with a card telling how it holds a quart measure. O’Donoghue’s on Merrion Row near the Shelbourne Hotel was another pub patronized by the playwright. Behan stormed through his short life with a roar heard throughout Dublin. “Some people never fully appreciated Brendan,” said Paddy O’Donoghue mopping his bartop. “Sometimes he got a bit boisterous. We had to refuse him.” Paddy’s pub at 15 Merrion Row is 90 years old. As darkness envelops Dublin it rings with the voice of the balladeer. Spontaneous entertainment, Paddy says. They come with their guitars and their banjos and their whistles, offering up sad Irish melodies to the ghost of Brendan Behan. Besides The Bailey and O’Donoghue’s and hundreds of others, there is the Abbey—a gem of a tavern which looks off to where the River Liffey joins the Irish Sea. A peat fire burns and there is the smell of age. This is Ireland more than 500 years ago.

The Abbey—it does business near the ruins of Howth Abbey—is a warm and friendly pub with barrels of Guinness and freshly caught seafood. They sing here of a night, too. Those simple songs of old Ireland—songs that Behan sang in an exhaustive attempt to live each minute to the fullest. That he succeeded in reaching only his 41st year inspires no brooding among his cronies. He lost no time, they say. Tankards held high overhead they repeat their toasts: “To Brendan Behan, the best friend Guinness ever had.” ■

## Elks Master

### Christmastime Art of Giving

(Continued from page 27)

Mich.; Van Nuys, Calif.; or Scranton, Pa. Just watching the round-eyed wonder of the kiddies as they lined up to climb into Santa’s lap made all those hours of hard work worth it.

This was the best part of all for both Elks and their ladies: watching a child’s eyes sparkle as he clutched a new toy, or seeing tears of joy spring into the eyes of a mother when she finds the turkey or clothes for the children in her gift basket from the local lodge. Bend, Ore.. Lodge members even ordered special boxes to hold the food, clothes,

and toys which they distributed.

Making Christmas a little merrier for the thousands in hospitals, orphanages, and homes in poor areas plays a big part in the holiday season projects of the Elks. Whether the lodge works alone or with other local organizations, like the V.F.W. or American Legion, everything is done with the main thought of bringing joy to others—the true spirit of Christmas. With this evidence from throughout the country it can be said that Elks truly have mastered the art of giving.





**SAFETY AND COURTESY AWARD** winner Mrs. Irene Wiig receives a plaque from Marquette, Mich., Lodge's Est. Loyal Kt. Donald Frailing as Marquette's Chief of Police George G. Johnson looks on. Mrs. Wiig was presented with the award after she assisted an injured woman and brought her to the hospital for examination and treatment.

**SMILING** after a successful football kickoff dinner, sponsored by North Canton, Ohio, Lodge, to honor the North Canton Hoover High School's 1970 football squad and coaches are (from left) head coach Don Hertler, Rev. Fr. Richard Connelly, past Grand Chaplain, Lancaster, and VP and PER Floyd Shambaugh Jr. Brother Connelly spoke to more than 250 persons who attended the event, which netted a \$200 profit for the Hoover High School Adult Booster Club.



**ELKS NATIONAL FOUNDATION** certificates of participation were presented during a recent meeting of Austin, Tex., Lodge. ER Gene M. Moore (left) gave the awards to (from left) PER J. L. Armstrong, Secy. Jim Fuller, and Brother Morgan Richards.



**RELAXING** after a testimonial dinner, given to honor members for 50 or more years of membership in Beloit, Wis., Lodge, are (front row, from left) Brothers E. J. McCann, Lewis Dalvit, Edward Salmon, and Clark Moriarity. Standing behind the honored guests are (from left) PDD Warren Foster, Baraboo; ER Peter J. Jerardi Sr., and PDD and VP Ken Currier, Beloit. Life memberships were also awarded to Brothers Waldo Wilkins, Ralph Saris, and H. B. Chester.



**A CONGRATULATORY HANDSHAKE** is extended to Arlington, Tex., Lodge's speaker of the month, Chena Gilstrap (right), by ER Paul E. Taylor in appreciation for his recent speaking appearance. Mr. Gilstrap, director of the University of Texas' athletic department, employs a humorous speaking technique described as the "chip-dry" type.





**WHITING, Indiana,** Lodge Little League baseball team proudly poses after winning the Whiting City Championship. The team is sponsored as part of the lodge's youth activity program. Smiling after their winning effort are (first row, from left) Eddie Erminger, Mark Plewniak, Jim Cassi, Mike Adams, and Marty Krister, (center row) Ray Kantowski, Jeff Surdy, Mike Keith, Jack Klacik, and Billy Blastic, and (back row) Brother Ron Kantowski, manager, Sam Dugan, Jim Butler, Bill Schultz, Duane Spencer, Jim Grabovac, and Brother Ray Warzyniak, coach.



**DISPLAYING** a pictorial sketch, which shows how the Elks National Foundation program benefits various projects undertaken in Illinois, is Des Plaines PER Ernest Kovarik, chairman of the Elks National Foundation Committee of the Illinois Elks Association. Golden railroad spikes are being distributed to all officers in the state as a reminder to enroll in the Foundation.



**TWO PROUD** and happy Elks from Du Quoin, Ill., Lodge, paused for a photograph; ER John B. Lyoch has just completed initiating his son, Brother John D. Lyoch, into the Order.



**EXTENDING** a welcome to DDGER John P. Willis (left), Garland, during his recent visit to Denton, Tex., Lodge are (from left) ER Tom Garbacik, PER Wayne Jones, Grand Prairie, and Secy. John P. Ceolla, Mesquite. Three candidates were initiated into membership in honor of Brother Willis' first formal lodge visitation in the Northwest area. It also was the first formal visit by a Grand Lodge officer to the newly instituted lodge.



**CHATTING** with DDGER Wesley J. Waterhouse (right), Freeport, during an Old Timers Night at Dixon, Ill., Lodge are (from left) PER James Brand, chairman of the event; Brother Bill Archer, a 60-year member; ER B. Duane Akers, and Brother Bing Hoefer, a 60-year member. The lodge offered cocktails, dinner, and entertainment to 44 old-timers, four of whom were 60-year members. A total of 26 old timers of the 600-member lodge received Grand Lodge Golden Anniversary certificates in honor of their devoted time.





**PROUDLY DISPLAYING** the five national awards received by Midland, Mich., Lodge at the Grand Lodge convention are (from left) PER Theodore J. Rezmer, Charles Moss, Mid-Michigan Elk editor, Thomas Burd, youth activities chairman, Robert McKellar, Americanism chairman, and ER William J. Bailey. The awards included second place, Elks National Foundation; first place, lodge bulletin competition; third place, Elks National Youth Week; second place, over-all youth program, and second place, Americanism program. All entries placed first in the Michigan Elks Association competition.



**CYNTHIANA, Kentucky,** Lodge's ER David Gasser poses for a photograph after initiating his brother Jerry Gasser (second from left), and father, Brother Ollie Gasser. DDGER Theodore Zimmer (right), Newport, looks on.



**PRESENTATION** of a \$2,352.40 check to Lewis Behrenfeld (center), president of the Benton County Association for Retarded Children, was made recently by ER William D. Miars (left) as Brother Don Bolte, general chairman of the event, looks on. The donation represents the proceeds netted from an annual fireworks sale conducted by the Rodgers-Bentonville, Ark., Lodge. The lodge has donated \$15,500 to the association over the past 11 years.



**VETERAN'S HOSPITAL** patients are greeted by ER Edgar Meier (extreme right) as they arrive to attend the recent annual Elks Circus as guests of Dallas, Tex., Lodge. All arrangements were made by Brother Isidore Soblowich and the lodge's VA Hospital committee.

**A CLASS** of 31 candidates initiated into Rapid City, S. D., Lodge during a recent ceremony pose for a formal photograph. The initiation ceremony was held in honor of VP Robert J. Thoreson (seated, fifth from right), Deadwood.





## GUERRILLA WARFARE SPREADS

Americans who have become fed up with criticisms leveled at the United States by Canadians in recent years might be tempted to find some satisfaction in the outbreak of violence that plagues our northern neighbors if the game wasn't so serious.

Canadians, along with others, have loudly clucked at the crescendo of violence that has swept this country. We are, they have solemnly concluded, a lawless, violence-prone people; just look at our violent past, our crude beginnings, our wild west heritage, the rise of organized crime.

Prime Minister Pierre Trudeau, himself, is among these offenders. In 1968, commenting on Canada's military withdrawal from NATO, he said: "I am less worried about what might happen in Berlin than in Chicago or New York. If in the next half-dozen years or so there were to be great riots and the beginnings of civil war in the United States, there is no doubt that they would overflow the borders and link up with underprivileged Mexicans and Canadians."

Despicable acts that they are, the kidnappings of a Canadian cabinet minister and a British diplomat by French-Canadian Separatists should serve to put things in better perspective, and promote a better understanding of what's going on in the world. True, we do have a violent past. This does not, however, even touch on the underlying causes of the guerrilla warfare that has been waged on the people of this country since 1964. If it did, how then explain the mounting acts of terrorism in Canada, in Argentina, Brazil, Venezuela, Uruguay and Bolivia, and the rash of plane hijackings?

What these terroristic attacks have in common with the campus riots, bombings, raids on draft files and other violent acts in this country is the guidance provided by world-wide communism. Moscow and Peking are rivals in supplying leadership, organization and training and the financing without which these crimes would not have been perpetrated. At the moment, it appears that Peking is winning the contest, its gospel

of violence having superior appeal to fanatics addicted to action here and now.

While communism is the evil genius of the guerrilla conflicts spreading over the globe, communism cannot take all the credit for all the violence. For example, the hijacking of the Soviet plane to Turkey was not inspired, so far as we know, by the Red Chinese, but appeared to be an act of nationalist retribution in protest against the Soviet rape of Lithuania in 1940.

By the same token, of course, not all of those who are caught up in acts of violence are communists. Some of them are just plain idiots for allowing themselves to be manipulated by the communists who control and direct the operation. A classic example of this concealed control was the incident that began it all six years ago at the University of California in Berkeley. A handful of communists, by the skillful application of guerrilla tactics, succeeded in radicalizing enough students to bring a great University to its knees—aided to be sure by a substantial Marxist element on the faculty and an incredibly inept college administration.

To socialists, it's an article of faith that all of our troubles spring from social injustice, economic conflicts, the failure of the system. Even to hint at the possibility that Castro's Cuba and Mao's Red China have been midwives to the riots at Columbia University, Kent State and elsewhere is sufficient to subject one to cries of "McCarthyism", "witch hunt", and "repression". Perhaps the recent unhappy events that have assailed our good friends to the North will dispel the fog of ideology and let in the light of reason.

In 1937 President Franklin Roosevelt, hoping to swerve the world from its inertial progress toward war, appealed to civilized nations to "quarantine the aggressors." Civilized people ought to quarantine today's aggressors, of whatever ideological persuasion, and keep them in utter isolation until they are cured. Time is running out. What more is needed to jar us from our mental and moral lethargy and impel us to action.



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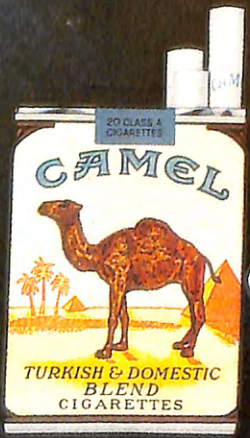
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