

# Tow sleep the brave who sink to rest By all their country's wishes blest—

some front-line trench—in a base hospital or a training camp at home. It matters not where or how—remains simply the fact that he died for his country.

Simply to mark in cold and stately marble the unresponsive sod is not enough. The memory of his supreme sacrifice should be a heritage for the ages. It is more fitting, more consoling, far, to give his spirit and soul enduring memorial where congregate those he regretted so to leave.

What place among the haunts of men more fitting to erect such a memorial to the departed than within the sacred walls of the House of God where spirit speaks to spirit in many an expressive and symbolic form, and where the ideals and sacrifices of the dead live on to inspire and quicken the living.

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## RADIO'S MAGIC WAND

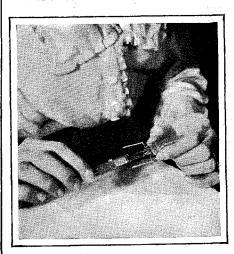
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Radio, like other discoveries, is creating new industries, new fields of employment. It is opening up new avenues of education and entertainment, of public information, health protection, and life saving. Its early sensational service was in saving life and property at sea. Its present great opportunity is to give to remote and isolated communities the educational and recreation facilities which hitherto have drawn youth away from the land to the crowded cities.

Already radio, through quick action by representatives of the Government and patriotic response by American industry, has been retained for the leadership of the United States in the field of international communications.

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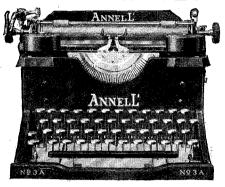
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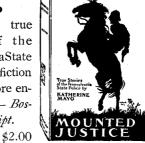
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lar interest in radio which is now sweeping the country.

Nearly all the public, especially that part of it located near the broadcasting stations, is familiar with the results of radio-the concerts and lectures and information that constitute the daily programme that goes out from the broadcasting stations and into the radio telephone receiver sets now found in so many homes. Dealers have studied the business side, expert amateurs the send-



ANCHORING THE FILAMENT

ing and receiving side, the entire public the popular side, but very few are familiar with the interesting inside—the very heart of radio reception and transmitting-known technically as the vacuum tubes, which act as transmitters, detectors, and amplifiers. These constitute the magic wand of radio.

These are not only the scientific heart of radio, but the very source of the development and still the limiting factor in the production expansion programme. The explanation of what they are, whence they came, and how they are made cannot fail to be helpful, not merely to one group, but to the public generally.

The vacuum tube is a veritable Aladdin's lamp of radio. To it we owe the marvelous development of radio communication and, above all, the growth of broadcasting. Its history, like that of most great inventions, is a history of an accidental discovery and of a groping for the explanation of that discovery over a period of twenty years.

We must go back to 1883 for the beginnings of the vacuum tube-back to the days when Edison with dramatic suddenness displayed his carbon filament lamp. For it was Edison who first discovered the phenomenon which is now practically applied in the vacuum tube. In that eventful year, 1883, the idea of performing a curious experiment flashed upon Edison. He mounted a plate within the bulb of his exhausted carbon lamp and connected the plate with a current-indicating instrument—a galvanometer. He turned on the current to the filament. It glowed, as filaments always glow in such circumstances. He looked at the galvanometer. The indicating needle had swung aside. A current was streaming over from the glowing filament to the plate. And yet there was no physical contact of plate Edison could never with filament! make the current flow from the plate to the filament. It would only stream from the glowing thread to the plate.

Sir William Preece, a famous English physicist, called this phenomenon the "Edison effect." But what the Edison effect was neither he nor Edison could explain. Indeed, it was a mystery for over twenty years. The Edison effect proved so baffling simply because scientists did not know enough about electricity to clarify it. Not until radium and the X-rays were discovered, not until the very nature of electricity and of matter was understood, was it possible to explain exactly why the current streamed over from the hot glowing filament to the cold plate, and never in the opposite direction. Then came the research of Sir J. J. Thomson. His conclusions were startling. Electricity is a matter of flowing "electrons"-infinitesimal bits of negative electricity. The electrons are always negative. They manifest themselves only when a body is in an abnormal condition-when, for example, it has too few or too many electrons, and never when it has just enough. They seek to find their own equilibrium, these electrons. They dart from bodies which have too many to bodies which have too few. Every hot metal, every burning thing, discharges them by the billion. From the glowing filament of a carbon lamp they stream out in every direction. When Edison mounted his plate within a lamp bulb and charged it positively, he gave the electrons a definite direction; he made them move from the hot filament to the cold plate. Every boy knows that the north pole of a magnet attracts the south pole of another magnet. north poles repel each other; so do the The electrons streamed south poles. over from the negative filament to the positive plate by a somewhat similar process. When the plate was negatively charged, the electrons, which are always negative, were repelled. The plate had electrons enough; it wanted no more. It occurred to Professor J. A. Fleming, who was Marconi's chief engineer and who had much to do with explaining the Edison effect in terms of electrons, that a lamp which included a plate might serve a useful purpose in radio communication. We deal with alternating currents in radio, and by alternating currents we mean streams that flow, not in one direction, as water flows through a pipe, but in two directions. In other words, an alternating current flashes back and forth. In radio these oscillations occur with amazing frequency. Between two successive alternations of electricity or waves may be an interval of only half a millionth or a millionth of a second. Fleming was seeking a

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## RADIO'S MAGIC WAND (Continued)

detector which would respond to these high frequencies better than existing devices. A telephone would answer admirably as a receiver. Unfortunately, the telephone would not respond to alternations so rapid with audible sounds. It occurred to Fleming that the Edison effect could be applied in such a way that the telephone would become a receiver of radio signals.

Remember that the electrons stream only from the hot filament to the plate. Fleming saw that if a bulb containing a plate formed part of the apparatus which received the electric waves hurled into the ether by the transmitting station it would suppress one-half the alternations. The electrons could flow only from the filament to the plate. When an alternation came in the opposite direction, the bulb simply would not respond; that alternation was simply choked off. Hence the bulb converted the alternations into spurts of electricity, all traveling in the same direction. and these were so far reduced in number that they could be heard in a telephone receiver as a musical note. The dots and dashes of the Morse code were therefore heard as short and long notes.

The action of the bulb was much like that of a valve which permits water in a pipe to flow free in one direction, but which promptly closes when the water tries to flow in the opposite direction. Hence, Fleming called the invention, as he applied it, an "oscillation valve." This oscillation valve of Fleming's soon displaced all other detectors of electric waves.

Then came the wonderful improvement invented by Lee De Forest. He conceived the idea of controlling the electrons that streamed over from the filament to the plate. His means of control was simply a wire grid mounted between the filament and the plate, a grid which formed part of an electric circuit. When the grid was electrified negatively just a little, the electrons were correspondingly impeded in their onward rush toward the plate. On the other hand, when the grid was positively electrified to a greater or lesser degree, the electrons were assisted in their effort to reach the plate; indeed, they were literally pulled over. The grid might thus be negatively or positively charged millions of times in a second, but the electrons responded instantly.

Here was a marvelously sensitive method of control. The "three-electrode valve," as it came to be technically called, or the "vacuum tube" in popular parlance, proved to be an extraordinarily sensitive detector of electric waves. More than that, it proved to be also a means of amplifying exceedingly feeble signals. Tube could be added to tube, it was found, so that the signal detected by one could be magnified by a second, that of the second by a third, and so on, until at last an effect was obtained which might well be billions of times more powerful than that originally de-

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RADIO'S MAGIC WAND (Continued)



MOUNTING THE PLATE ON THE SUPPORT-ING LEADS OVER THE GRID AND FILAMENT

tected. If a dying fly groans, its anguish would be expressed in a terrific wail. The tap of a lead pencil becomes the blow of a trip-hammer.

It is because a vacuum tube can thus detect and amplify extremely feeble currents that broadcasting has grown overnight into a means of communication the possibilities of which seem almost limitless. Radio, a phase of engineering so technical, so special in character that it interested only the electrically informed enthusiasts, has become the common property of millions who now listen to the news of the day, to opera, to the jokes of some famous music-hall comedian, to the sermons of a noted preacher, broadcasted through the ether of space in rippling electric waves which pass through brick walls and mountains as light passes through glass.

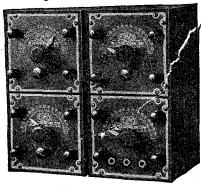
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The Elmco Tuner, Type S-1, is guaranteed to be free from body capacity in any degree. The circuits are inductively coupled and symmetrically designed, so that maximum efficiency is obtained when tuned to any specific wave length within the range of the set. The adjusting dials are so arranged that after each operation the tuning may be sharpened to a very fine degree. The design of the Tuner is such that one of the controlling knobs acts as a vernier adjustment to the others: this feature allows for a nicety of control, which permits the operator to clarify telephone speech with maximum ease. The Elmco cabinet is of solid mahogany, beautifully finished, and the proportions of the sets make them extremely attractive.

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Electric Machine Corporation INDIANAPOLIS, INDIANA

#### RADIO'S MAGIC WAND (Continued)

making are not adequate in this process; the precautions taken to prevent the leakage of air into the tube must be more refined. Again, the preparation of the leading-in wires themselves is an operation that must be most delicate and precise. They are die-cut by hand, and some of them must be bent with the utmost care.

Equally difficult is the fashioning of the filament which, when it glows, shoots out electrons. The filament is a tungsten wire as fine as a human hair. Variations in diameter of even a few ten-thousandths of an inch cannot be permitted. The filaments must be exactly uniform in size and shape. The mere matter of cutting the filaments to the proper length is important. If the filament is five per cent short, for instance, the life of the tube may be reduced by one-half.

The grid must be wound around its support and welded into place. Because this is a machine operation it will be assumed at once that it is easy. It is anything but that. Uniformity of shape is essential. The operator of the welding machine must have acquired the knack of applying uniform pressure, because this is essential in securing a perfect weld. It sometimes takes two weeks or more to adjust the welder properly. It is the function of the welder to heat, and the heat is electrically obtained. Too much current will melt the wires of the grid; too little will not produce a good weld. Only long experience can dictate just what the amount of current should be.

Next comes the formation of the plate, so called—in reality, a cylinder surrounding the grid and filament. It is punched from sheets of nickel or molybdenum. Like the grid, it must be welded to its supports, an operation which, as we have seen, is almost a fine art.

The last operation, which consists in "anchoring" the filament in place, is one of the finer points of the process. It involves much calculation and thought; for the filament must be held firmly in place and yet it must have sufficient play to allow for its expansion when heated.

When the elements of the vacuum tube (the filament, the grid, and the plate) are assembled and then mounted in the bulb, the process of exhaustion must be carried out. The more air removed from the bulb, the more efficient the tube; for we have seen how easy it is for an atom of air to block electrons rushing from the filament toward the plate. The tube is exhausted by a pump which was developed in the research laboratories of the General Electric Company, and which is the most perfect instrument of the type yet invented.

Quantity production of tubes by machine must ultimately come in order that the insistent demand of the public may be satisfied. But quantity production in the automobile sense is at present impossible, simply because vacuum tubes, like fine chronometers, are still made by hand.



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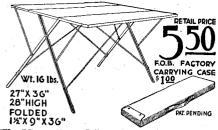
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## Have You Planned Your Summer Vacation Yet?

This issue of The Outlook contains many advertisements of Summer Resorts and Vacation Tours.

Much attractive literature is issued by the various hotels, railways, and steamship lines. The Outlook will gladly undertake to have descriptive literature sent you covering any point in which you may be interested. Address

TRAVEL EDITOR The Outlook Company 381 Fourth Avenue, New York

#### Real Estate

NEW YORK

### FOR SALE

AT ELMSFORD, WESTCHESTER CO.
Home of the late Worthington Whitehouse.
Remodeled farmhouse—12 rooms, 2 baths, in
perfect condition; 3 miles from White Plains,
5 acres of land; beautiful trees and shrubs,
brook and pool. House partially furnished;
some rare antiques. Also Jersey cow, chickeus, bees, etc. Price \$35,000.

WORTHINGTON, WHITEHOUSE, INC.
446 Madison Avenue Fitz Roy 4600

Glen Eyrie-on-Lake-George For SALE or RENT for JUNE. JULY. FURNISHED COTTAGE on shore. Living-room, fireplace, diningroom, kitchen, 3 bedrooms, big plazza. C. H. Nuttle, Y. M. C. A., Morristown, N. J.

For Sale Cottage on Snow Shoe Bay, Henderson Harbor, Lake Ontario. Short distance from Electric Association Island. Not far from historic Sacketts Harbor and Madison Post. Fine boating, good anchorage. Occupied two summers by owner; never rented. Three sleeping-rooms and porch, large living-room with fireplace, kitchen, isvatories, plumbing. E. K. HARROUN, 00 Woolworth Building, Watertown, N. Y.

#### Real Estate

NEW YORK

FOR RENT Furnished cottage in Onteora, Catskill Mountains, 6 master and 3 maids' rooms, 4 baths, electricity, spring water, private sewerage, 16-foot piazza, open fireplaces, garage. Elevation about 2,50 feet. \$1,500. Address J. S. S., Room 1024, 15 William St., New York.

Eastern Long Island Peconic Bay & Sound Front Properties for sale or rent, summer homes a specialty. Ilsale or rent, summer homes a specialty. Illustrated booklet mailed upon receipt of 25c.

Silkworth Real Estate MATTITUCK, L. I.

For Rent FURNISHED Ten-room house all improvements, 3 acres land, fine old shade trees, garden all planted, free fresh vegetables; view of creek. Two hours from New York. Will rent June 15 to August 1, \$120. James Myers. Wappingers Falls, N. Y.

#### PENNSYLVANIA

#### FOR SALE

Three acres of land with fruit orchard, four-room and bath brick house, furnished with antique furniture; also attractively furnished studio and garage. Three minutes from the lake. Beautiful private location. Cash, \$4,80. Nine miles from Stroudsburg and Delaware Water Gap. Apply to E. G. DORSHIMER, Postmaster, Saylorsburg, Penusylvania.

#### Real Estate

#### VERMONT

Modernized Farmhouse, Peacham, Vt. Furnished; easy distance to wonder-ful views, fields, woods, boating, swimming, fishing. Terms moderate. 7,583, Outlook.

#### BUSINESS OPPORTUNITIES

COOKING for PROFIT. Earn handsome income; home cooked food, catering, tea room, etc. Correspondence course. Am. School Home Economics, Chicago.

#### **STATIONERY**

UNUSUALLY desirable stationery for any type of correspondence. 200 sheets high grade note paper and 100 envelopes printed with your name and address postpaid \$1.50. Samples on request. You can buy cheaper stationery, but do you want to? Lewis, 284 Second Ave., Troy, N. Y. STATIONERY for personal and business use. 100 envelopes and 100 letter sheets \$1 postpaid. Burnett Print Shop, 320 Ohio St., Ashland, Ohio.

#### **EMPLOYMENT AGENCIES**

WANTED—Competent teachers for public and private schools. Calls coming every day. Send for circulars. Albany Teachers' Agency, Albany, N. Y.

DIETITIANS, secretaries, cafeteria managers, governesses, matrons, housekeepers, social workers, superintendents. Miss Richards, Providence, R. I. Box 5 East Side. Boston, Trinity Court, 16 Jackson Hall, Fridays 11 to 1. Address Providence.

#### HELP WANTED

Business Situations

GOVERNMENT needs railway mail clerks, \$133 to \$192 month. Write for free specimen questions. B-4, Columbus, O.

D-4, Columbus, O.

Companions and Domestic Helpers
WANTED — Mother's helper. Desirable
permanent position for capable young woman,
suburban home near Reading. State salary.
Mohican Lodge, Sinking Spring, Pa.
WANTED—Attendant for semi-invalid and
for sewing and light housework. Physically
strong, willing to walk and read aloud. Address Mrs. J. M. Whiton, 621 Central Ave.,
Plainfield, N. J.

Teachers and Governasses

#### Teachers and Governesses

Teachers and Governesses

HEADMASTER, supervising and teaching, in boys' boarding school, long established, near New York City. State fully qualifications, experience, and minimum salary. 1,563, Outlook.

1,568, Outlook.

WANTED—Governess. Country summer,
Florida winter. Position permanent. Children ages 4 and 7. State age and religion.
References as such—no school teachers need
apply. Position open June 1. 1,595, Outlook.

WANTED, in the piano department of a
music school settlement, an experienced
teacher who is able to do advanced work and
can give recitals. Social vision as well as
musicianship required. 1,611, Outlook.

#### SITUATIONS WANTED

NURSE, Scotch Protestant, capable taking entire charge of infant: understands all kinds of formulas. Reference 7½ and 6½ years. 1,604, Outlook.

GRADUATE, registered nurse, three years' experience in handling boys, desires position in boys' private school. Best references from physician and parents. 1,603, Outlook.

COMPETENT C tenor saxophone player wishes position for summer. Best references. Regular saxophonist Union College orchestra, 125 Glenwood Blvd., Schenectady, N. Y. CAPABLE young man, 22, college gradu-

CAPABLE young man, 22, college graduate, English teacher, secretary-stenographer, pleasant personality, liberal ideas, wants temporary or permanent connection outside of business. 1,628, Outlook.

of business. 1,628, Outlook.

HEAD of music department in prominent girls' school, concert planist of American and European recognition, desires to conduct music of summer school in or near New York, prepare students in harmony and plano for college examination, or play or arrange concerts. Soloist and chamber music player. At liberty from June 1 until October 1. 1,619, Outlook.

Replaces Structures

#### **Business Situations**

MANAGER (resident) of college or school. Teachers College, Columbia, training. Several years' experience as manager of dormitories, dining halls. Available September 1, 1,612, Outlook.

1,612, Outlook.

WANTED, September 1, position as supervisor or matron for girls' home. Ages from 12-18 years preferred. Experienced. Good remuneration expected. Personal interview arranged if possible. 1,624, Outlook.

Companions and Domestic Helpers

Companions and Domestic Helpers COLLEGE man, studying music in New York, desires position—organ, companion, tutor. Experienced driver; agreeable and willing, References exchanged, 1,625, Outlook. GRADUATE nurse, English, German, sunny disposition, useful companion, excellent traveler, desires position. Couple or gentleman. Quality references 1,528, Outlook. JUNIOR in college would like position for summer months as companion and tutor for young boy. Reply 1,563, Outlook. CULTURED, educated young woman as companion or secretary. Will travel. References exchanged. 1,617, Outlook.

COLLEGE girl wants position on farm or at summer resort; out of door work pre-ferred. 1,614, Outlook.

#### SITUATIONS WANTE

#### Companions and Domestic He

Companions and Domestic He

To travel. Dependable, amiable v
35, experienced, executive, desires post
companion or governess to party
abroad.Understands traveling, 1,413, 0

WANTED, by young colored mation for summer gardening or cha
W. Adrian Freeman, Hampton Ins
Hampton, Va.

COMPANION and TUTOR—Young in
junior at Wellesley College, desires posito
as companion and tutor to young girl it
summer months. Exceptional reference
furnished. Address 1,577, Outlook.

COLLEGE girl loving children and outdoor
life desires position as companion for one or
more children for summer months. American,
Frotestant. Moderate salary. 1,578, Outlook.

UNIVERSITY graduate, 6 years high
school teacher, Catholic, desires position for
summer as companion, tutor, secretary.
Likes to travel. Excellent references. 1,582,
Outlook.

DOMESTIC science school graduate desires position for summer cooking in tea room
or private family. 1,608, Outlook.

POSITION as matron in fresh air home,
day nursers, or would act as vacation relief. Experienced. References. Address E.
Fleming. 2,14th St. and Bolton Road, City,
Care S. P. C. C.

COLLEGE murse desires position as companion and nurse or care of child. Good
references. Elsie Taylor, Elmira College,
Elmira, N. Y.

REFINED, educated woman desires engagement as housekeeper. Would manage
gentleman's home and children. Capable of
taking full charge. References. 1,623, Outlook.

YOUNG man, colored, pleasing personality,
cultured, business training, fond of animals,
desires supervision country home. Best city
reference, Sventene years one place. 1,623,
Outlook.

Outlook.

REFINED, educated woman, who speaks
French, English, German, good musician,
wants position as private secretary or governess to older children. Capable handling
position of trust. Mrs. L. Bruhling, 1307
Sandwich St., Windsor, Ontario, Canada.

#### Teachers and Governesses

Teachers and Governesses

COLLEGE senior, experienced with chil
dren, desires position as nursery governess
for the summer months. 1,410, Outlook.
INSTRUCTOR wants position in private
school for next year. Uan handle athletics;
experienced. References. No reasonable offer
rejected. Address 1,479, Outlook.
COLLEGE girl desires position as nursery
governess or companion. Experienced with
little children. Address Helen Jardine, 801
S. Wright, Champaign, Ill.
CLASSICAL teacher, gentleman, 34 years of
age, 10 years' teaching, 7 as professor of Latin
in Western State university, master's degree
Michigan University, Ph.D. work nearly
completed, desires Latin or Greek position in
Eastern or Middle West college. Best of references. 1,421, Outlook.
YOUNG man as tutor-companion. Excellent references. Address Box 110, Chatham,
N. J.
YOUNG woman, graduate student Yale,

N. J.
YOUNG woman, graduate student Yale,
desires summer position as tutor, councilor,
or companion. 1,606, Outlook.
COLLEGE student desires position as tutor
or companion for the summer, preferably
traveling. Address W. Ashton Roberts, care
Psi U House, Middletown, Conn.
GOVERNESS desires summer position seashore or mountains. Expenses only. 1,618,
Outlook.
MATHEMATICS instructor R. A. Phi Rote
MATHEMATICS instructor R. A. Phi Rote

Outlook.

MATHEMATICS instructor, B.A., Phi Beta Kappa, two years' experience city school, desires September position vicinity New York. 1,620, Outlook.

YOUNG lady, collegian, with excellent knowledge of English, French, Latin, and other college courses, desires position as governess. Can also act as tutor. Highest references. Address Room 609, 665 Fifth Ave., New York City.

Ave., New York City.

YOUNG man, university senior, desires position for summer as tutor or companion. Latin, German, sciences. 1,629, Outlook.

#### **MISCELLANEOUS**

TO young women desiring training in the care of obstetrical patients a very thorough nurses aid course of six months is offered by the Lying-in Hospital, 307 Second Ave., New York. Monthly allowance and full maintenance is furnished. For further information address Directress of Nurses.

nance is furnished. For further information address Directress of Nurses.

MISS Guthman, New York shopper, will shop for you, services free. No samples. References. 309 West 99th St.

REFINED home school for slightly retarded children, age 7—15 years. Limited number. 70 Prospect St., Portchester, N. Y. Tel. 1556 M.

FOR sale. "Nouveau Larousse Illustré," 9 vols., \$40; "The Historians' History of the World," 25 vols., \$20; 40 ft. of hand-carved open bookcases, Italian walnut, \$500; Duncan Phyfe table, antique hall chairs, mirror, etc., at great sacrifice. Mrs. R. A. Lawrence, 60 West 63th St., New York City.

BOYS wanted. 500 boys wanted to sell The Outlook each week. No investment necessary. Write for selling plan, Carrier Department, The Outlook Company, 331 Fourth Ave., New York City.

REFINED, cheerful woman to share 4-room bungalow living expenses and work both light) with lady alone. 1,610, Outlook.

TEACHER with home on Sound would take pupils to board for summer. 1,613, Outlook.

## SUPPOSE IT WERE YOUR BOY-

## A REQUEST THAT READERS OF THE OUTLOOK JOIN IN THIS PATRIOTIC AND HELPFUL SERVICE

HEN the sailor lads of America pour out from the great warships upon the bewildering streets of the city of New York, how shall they be met? Where shall they go? If one of them were your son, would you not cry out passionately—"Place him under the influence of good people and a good home?"

#### WHAT THE BOYS NEED

What to do with the enlisted men of the Navy on shore leave is a serious question. Without some objective of the nature of home or club they are likely to drift into mischief or worse. These boys crave decent surroundings and pleasures. They need to be assured of some sort of a place with good clean beds, baths, music, and diversions of the kind that are wholesome and attractive. The lack of a "home base" gives them a "lonesome feeling" and that is why you frequently find them haunting the street corners and seeking distraction with questionable companions in questionable resorts.

#### IT IS PRECISELY THIS HOME BASE WHICH THE NATIONAL NAVY CLUB SUPPLIES

The National Navy Club of New York, situated at 15 East 41st Street, has a three-ply mission. It acts for the enlisted Navy or Marine man on shore leave as:

A home where he is not only made to *feel* at home, but where every influence urges him to behave as if he were in his own home.

A hotel which does not cold-shoulder the sailor boy because he is a sailor boy; which is fully equipped with every adjunct to comfort; where the rates are nominal, neither beyond his reach nor on the other hand suggestive of charity.

A home club in the best and most constructive sense.

## SOME FIGURES THAT SHED LIGHT ON THE NAVY CLUB'S ACTIVITIES

Foreign navies utilizing the club.	19
Number of states represented	49
Average daily canteen attendance	250
Average number of men securing sleeping quarters	120
Present sleeping capacity	140
Average number of wounded soldiers entertained per month	750

The club has operated continuously since July, 1917, and during the year 1921,  $25{,}000$  were furnished sleeping accommodations and  $30{,}000$  meals were served in the club canteen.

The club's physical equipment consists of reading, writing and lounge room, library, billiard room, mail and check room, bedrooms and dormitories.

The canteen, directed by a volunteer committee of ladies, serves the best of home-cooked food at cost.

One of the most important departments of the Club is its mail and check room, open day and night, where thousands of letters are received and held or forwarded on request.

#### ADMIRAL PLUNKETT WRITES-

Rear Admiral Plunkett of the Naval War College writes: "On the ship, we are one family, officers and men, if the ship goes down we go down together. When our men get liberty ashore, we have to trust you people of New York to see to it that there shall be a clean, decent place for the men to go."

This is not a work for a few—each citizen has a responsibility to see that these boys have a home on shore to go to. We realized the necessity during the war. It is greater now because all other clubs are closed.

## FUNDS ARE URGENTLY NEEDED FOR CONTINUING THIS WORK

Although the Club is not a charity, it is manifestly not self-supporting. At the rates charged, the members and lodgers pay less than one-third of the maintenance budget. The balance must be raised through corporate membership dues. Every enlisted man in the American Navy comes into the port of New York during his term of service. The Navy Club is therefore a national institution.

Will you join us in this patriotic and forward-looking service? Your subscription on the appended blank will be a vote for decency and clean American manhood.

#### OFFICERS

President: Franklin D. Roosevelt
Vice-Presidents: Douglas L. Elliman
Paul L. Hammond
J. Frederick Talcott

Treasurer: Edward C. Delafield Secretary: Mott B. Schmidt Counsel: William H. Hamilton P. Chauncey Anderson

CLASSES	OF	MEMBERSHIP
CHARRIE	$\sigma_{\mathbf{r}}$	TATTATAT TATTATATATAT

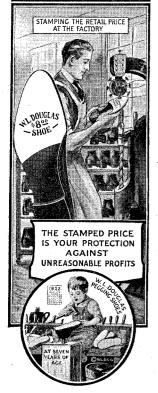
$\mathbf{The}$	Navy	Club,	15	East	41st	Street,
	New	York	. N	. Y.		

Name.....

Address

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YOU CAN ALWAYS SAVE MONEY BY WEARING W.L. DOUGLAS SHOES SOLD DIRECT FROM FACTORY TO YOU AT ONE PROFIT



ALSO MANY STYLES AT \$5.00 & \$6.00

W.L.DOUGLAS PRODUCT IS GUARANTEED BY MORE THAN FORTY YEARS EXPERIENCE IN MAKING FINE SHOES

They are made of the best and finest leathers, by skilled shoemakers, all working to make the best shoes for the price that money can buy. The quality is unsurpassed. Only by examining them can you appreciate their wonderful value. Shoes of equal quality cannot be bought elsewhere at anywhere near our prices.

Our \$7.00 and \$8.00 shoes are exceptionally good values. W. L. Douglas shoes are put into all of our 108 stores at factory cost. We do not make one cent of profit until the shoes are sold to you. It is worth dollars for you to remember that when you buy shoes at our stores YOU PAY ONLY ONE PROFIT.

No matter where you live, shoe dealers can supply you with W. L. Douglas shoes. They cost no more in San Francisco than they do in New York. Insist upon having W. L. Douglas shoes with the name and retail price stamped on the sole. Do not take a substitute and pay extra profits. Order direct from the factory and save money.



W.L. Douglas name and portrait is the best known shoe Trade Mark in the world. It stands for the highest standard of quality at the lowest possible cost. The intrinsic value of a Trade Mark lies in giving to the consumer the equivalent of the price

paid for the goods.
Catalog Free.
MoDougles
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President
W. L. Douglas Shoe Co.,
767 Spark St., Brockton, Mass.



It is the habit of well kept thousands. Follow the use of your tooth brush with a few drops of Absorbine, Jr. in an eighth glass of water.

This, as mouth wash, spray and gargle, removes disagreeable tastes and breaths; destroys crevice hidden germs that cause decay, and alleviates conditions of sore throat. It leaves the mouth refreshingly clean.

Absorbine, Jr. is also, for overtaxed muscles, the powerful yet safe liniment with the clean pleasant odor. Again, it is an antiseptic, cleansing and healing to skin breaks. All in one container for your greater convenience.

At most druggist's, \$1.25, or postpaid, Liberal trial bottle, 10c. postpaid, W. F. YOUNG, Inc. 443. Temple St., Springfield, Mass.



Absorbine J



LINCOLN by Gironi

Height 2' 9'' Ivory Finish, - \$25 2' 9'' Bronze Finish, \$35 1' Ivory Finish, - \$ 3 1' Bronze Finish, \$ 4 Bracket, Ivory Fin., \$10 "Bronze Fin., \$12

## Class Gifts

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THE T. GARTER CO.



## BY THE WAY

THE fashion of anonymity in bookmaking seems to have had its day. The earliest printers not only left out their names but even omitted to date their books, and one of the most famous of novelists, Sir Walter Scott, it will be remembered, carefully concealed his identity for years after his first novel became famous. But the pendulum now swings the other way, in the spirit of the saying, "Credit to whom credit is due," and an American publisher, Alfred A. Knopf, is completing the reaction by printing not only his own and the author's name on his books, but also those of the printer, the binder, and the papermaker. A general adoption of this sensible practice would lead not only to good feeling on the part of these collaborators in book-making, but to their emulation in making a product worthy of bearing a personal credit.

Much of the fine work issued by American publishers—and fine work is being done by them in spite of a general falling off in the quality of paper and presswork as a result of the war-has been due to men who have endeavored to put individuality into American typography-men such as D. B. Undike of the Merrymount Press, William Dana Orcutt of the Plimpton Press, Bruce Rogers of the Riverside Press, and the Goudys of Forest Hill, Long Island. To these names might be added those of such thoroughly workmanlike printers as De Vinne of New York and Munder of Baltimore. With the readjustment of industrial conditions anticipated in the long period of peace that seems before us, book-making will no doubt become a finer art than ever.

A request made to a travel bureau for information about the Czechoslovak Republic brought to our desk, together with other pamphlets, a copy of the Czechoslovak Constitution, printed in English in the city of Prague. Some of the paragraphs are novel and interesting. For instance:

Privileges due to sex, birth, or occupation shall not be recognized.

Inviolability of matter intrusted to the mails is guaranteed.

Public instruction shall be given so as not to be in conflict with the results of scientific investigation.

Wedlock, family, and motherhood shall be under the special protection of the law.

Only such titles may be conferred as designate official rank or a profession.

Every manner whatsoever of forcible denationalization is prohibited.

The second paragraph and the last were probably inspired by the autocratic methods of the former Austrian régime.

"Prince Wixzizwyxard, of the house of Challougrlezilezise of Ethiopia," the "Battle Creek Idea" says in a paragraph which one fancies is going to be humorous but which turns out to be deadly serious, "is visiting here and made the