

THE TECH

VOL. XXXV. NO. 35.

BOSTON, MASS., MONDAY, NOVEMBER 1, 1915

PRICE THREE CENTS.

FIELD DAY AND TECH NIGHT MASS MEETING

Technique Band To Make First Fall Appearance—Other Attractions.

TOMORROW AT 7.15 P. M. IN THE UNION THE CUSTOM OF HOLDING A MASS MEETING TO FORMULATE PLANS FOR THE TECH NIGHT CELEBRATION WILL BE INAUGURATED. FURTHERMORE THE TECHNIQUE BAND, HEADED BY ITS ERSTWHILE FORERUNNER, ROSWELL P. RENNIE, '16, WILL MAKE ITS FIRST FALL APPEARANCE ON RECORD. IN FORMER YEARS THE PRODUCT OF TECHNOLOGY'S BRASS BAND TALENT HAS NOT BEEN EXHIBITED BEFORE THE TECHNIQUE RUSH, BUT THIS YEAR IN VIEW OF THE FACT THAT IT IS NECESSARY TO PROVIDE A SUBSTITUTE FOR CONFETTI AND STREAMERS THE DOUGHTY CAROLERS WILL BE IN OUR MIDST TOMORROW NIGHT, AT THE FIELD ON FRIDAY AFTERNOON, AND AGAIN AT WATCH YOUR STEP ON FRIDAY EVENING IF THEIR WIND-JAMMERS HOLD OUT.

AT THE MASS MEETING THE BRAVE CHEERLEADER, RUSTY WHITE, AND PRESIDENT FARTHING OF THE SENIOR CLASS WILL LET OUT THE SECRET OF THE PLANS FOR WELCOMING THE CASTLES TO BOSTON AND ESCORTING THE FIELD DAY VETERANS TO A GOOD TIME BEFORE AND AFTER THE CONFLAB TO BE UNDERGONE AT THE FIELD.

BLANKET TAX

Stub Entitles Holder To Free Admission To Field Day.

Reserved seat tickets for Field Day will be on sale in Rogers corridor throughout the coming week. The blanket tax entitles the investor to a reserved seat at Field Day on payment of twenty-five cents, instead of the usual price of one dollar. The receipts are strictly non-transferrable, and a receipt found in the hands of another than its owner will be confiscated.

All collectors who have not yet turned in their receipts must make out their reports and leave them at the Cage for J. P. Uhlinger, either today or tomorrow.

M. I. T. A. A.

There will be a meeting of the M. I. T. A. A. Tuesday, Nov. 2, at 5.00 o'clock in 8 Eng. C.

INSTITUTE RIFLEMEN NAMED AS CHAMPIONS

Results Of Meet Last May Made Public—Two Trips For This Week.

Word was received from the National Rifle Association last Friday that the Technology Rifle Team had won the outdoor Intercollegiate championship of the United States for 1915.



STANDING, LEFT TO RIGHT—HASLAM, BRANDT, PARSONS, BUTTERWORTH, STEWART. KNEELING—C. T. DUNN, CAPT.

The match was shot off by the Technology team at the Wakefield range at Wakefield the latter part of last May, but owing to the fact that one or two of the teams had to shoot the match over, the War Department (Continued on Page Four)

SWIMMING TEAM

Meeting Today For Candidates—Two Trips Planned.

All candidates for the Swimming Team will meet in the Union at 5.00 o'clock this afternoon.

This year there will be two trips; one to Williams and Amherst, and one during the mid-year recess to Yale, Columbia and Lehigh.

M. E. SOCIETY TRIP

Between fifty and sixty men of the Mechanical Engineering Society visited the Chestnut Hill Pumping Station last Saturday afternoon. Data sheets describing items of interest about the station were distributed among the men.

JUNIORS VICTORIOUS IN HANDICAP MEET

Two Mile Run Offers Greatest Attraction—Wind Cause Of Slow Times.

In the presence of a small crowd of officials and other competitors the events of the annual Fall Handicap took place last Saturday at Tech Field, the Juniors completely outclassing the three other classes.

PUBLICITY MANAGER COMPETITION STARTS

Candidates Will Meet In Show Office Next Wednesday Afternoon.

On Wednesday afternoon Tech Show 1916 will start a competition



R. S. STEVENS, '17.

for Second Assistant Publicity Manager which will be open to members (Continued on Page Six)

FRESHMEN MEETING

There will be a meeting of the freshman class Tuesday at 1.00 o'clock in Huntington Hall to practice cheers for Field Day. There will be several Juniors present to teach the cheers used by their class. Freshman cheer leaders will be given opportunity to try out and will have the Field Day cheering put into their hands.

CALENDAR

Monday, Nov. 1, 1915.

- 1.00—Field Day Tickets. Rogers.
- 5.00—Swimming Team Candidates. Union.
- 5.00—Technique Band Rehearsal. 6 Lowell.
- 5.00—Glee Club Rehearsal. Room B, Union.
- 5.00—Rifle Club Executive Comm. Meeting. Union.

Tuesday, Nov. 2, 1915.

- 1.00—1919 Class Meeting. H. H.
- 1.00—Field Day Tickets. Rogers.
- 2.00—Rifle Club Shoot. Meet at North Station.
- 5.00—M. I. T. A. A. Meeting. 8 Eng. C.
- 6.00—Naval Arch. Society Dinner. Union.
- 7.15—Field Day Mass Meeting. Union.

TECH NIGHT TICKETS

The sale of tickets for WATCH YOUR STEP closed last Saturday at two o'clock, practically the whole orchestra, the boxes, and the first eight rows in the balcony being disposed of to undergraduates. The remainder of the house went on sale at the Colonial last Saturday evening.

Exchange tickets given out at the sale last week will not admit the holder to the theatre and are no good after two o'clock next Wednesday. The window in Rogers corridor will be open from 1 to 2, today, tomorrow and Wednesday for the redemption of these exchange tickets for the regular theatre tickets.

PAY YOUR BLANKET TAX IN ROGERS TODAY

THE TECH

Entered as second-class matter, Sept. 16, 1911, at the postoffice at Boston, Mass., under the act of Congress of March 3, 1879.
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Office 42 Trinity Place.
Phone—Back Bay 5527 or 2180.
Night Phone—Back Bay 5527.

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(Daily except Saturday)

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Editor-in-Chief5.00 to 6.00 P. M.
Managing Editor1.00 to 1.30 P. M.
Advertising Manager .5.00 to 6.30 P. M.
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Subscriptions, \$1.50 per year in advance. Single copies, 3 cents.

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MONDAY, NOVEMBER 1, 1915.

CAN WE DO IT?

The announcement in the columns of the Boston newspapers that a certain theatre in the city was to have a Harvard Night or a Yale Night would probably take the attention of nine-tenths of the local theatregoers, whereas a similar announcement of a Tech Night would scarcely elicit comment from one-tenth of the same people. Why is it? Surely Technology has a reputation that is as nation-wide as that of either Harvard or Yale.

Theatregoers—and their opinion, may be taken as fairly representative of the general public—somehow seem to feel that they want to pay for more than the privilege of sitting under the same roof with an audience which is supposed to know how to handle differential equations. What the world is willing to pay for is the privilege of seeing "good fellows get together," and it is in this human essential that the undergraduates at Tech Night have failed so miserably in the past, both because the singing has proclaimed everything but good fellowship, and because the stein has been taken too literally. In the choice of show this year much has been done toward eliminating the latter evil, and there are those who firmly believe that if the students turn out in full force at the Mass Meeting Tuesday night a great step will have been taken toward demonstrating to Boston and to the country that Tech men are "good fellows" and that they can "get together."

BATTLESHIP "GEORGIA" INSPECTED FRIDAY

Electrical Engineering Society Members Inspect The Entire Ship.

Last Friday afternoon thirty members of the Electrical Engineering Society inspected the battleship "Georgia," now undergoing repairs at the Charlestown Navy Yard. Through the courtesy of the officers, the men were given liberty of the entire vessel, and parties of four under the guidance of the chief electrician and his aids examined the intricate appliances of the ship.

The bridge and the conning tower with their duplicate control apparatus were first visited. The officers explained the engine room indicating system, which can be operated either electrically or mechanically. The parties were conducted into the main gun turrets where the system of hoisting ammunition from the magazine, and of ramming it into the twelve-inch guns by means of motors, was explained.

The central station contains the power plant of eight generators, six being of 50 K. W. and two of 100 K. W. capacity. The master gyro compass now used on all modern naval vessels was one of the most important machines inspected. The compass occupies but four or five cubic feet of space. It is run on a three-phase alternating current system, and the 54-pound flywheel revolves at a speed of 8600 revolutions per minute.

The radio set has a capacity of five kilowatts. The radius of communication is limited to five hundred miles.

TECH ORCHESTRA

Meeting On Wednesday To Discuss Work And Rehearsals.

Next Wednesday evening at 5.00 o'clock, a meeting will be held in the Union for those interested in forming a permanent orchestra. Mr. Howard, the musical director of the Show, will be present, and plans will be discussed for an orchestra which will play both Show and Concert music. It is important that all who are interested be present, as the primary object of the meeting will be to determine rehearsal hours, rules, etc., convenient to the greatest number.

SOPHOMORE MEETING

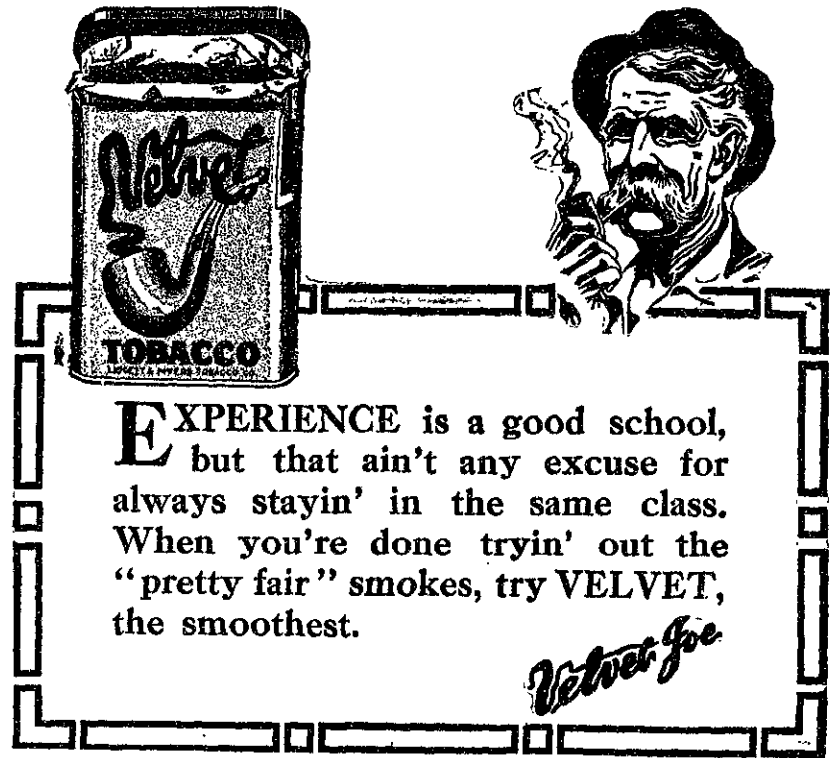
There will be a meeting of the Sophomore Class in Huntington Hall on Thursday at 1.30 o'clock. The class insignia for Field Day will be ready for distribution.

Candidates for cheer leader will be picked according to the ability they show at the meeting.

NAVAL ARCHITECTS

The Naval Architectural Society will hold its first dinner in the Union on Tuesday, Nov. 2, at 6.00 o'clock.

WATCH YOUR STEP—19 orchestra seats left for general sale in Musical Clubs' section.



EXPERIENCE is a good school, but that ain't any excuse for always stayin' in the same class. When you're done tryin' out the "pretty fair" smokes, try **VELVET**, the smoothest.

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KOMMERS DINNER TO BE HELD NEXT WEEK

Annual Show Banquet To Be Given On Friday, November 11 In The Union.

On Thursday evening, November 11, the annual Kommers Dinner will be held in the Union. This dinner is given each year by the Tech Show to promote the interest of the student body in dramatics and the Show management is arranging an interesting program.

The main object of this affair is to bring together all students who are in any way concerned in the Show and to make them acquainted with the work taken up by the different departments. It is the only time during the year that the work of each of the many departments connected with the Show is fully explained.

Tickets for the dinner may be obtained from any member of the management.

CHEMICAL SOCIETY

Professor John E. Bucher, of Brown University, gave an interesting lecture on "The Fixation of Atmospheric Nitrogen," at a meeting of the American Chemical Society held last Friday evening at the Engineer's Club.

The number of Technology men who were permitted to attend was limited to fifty.

WATCH YOUR STEP—Last chance for Field Day teams to secure seats at two o'clock today.

FALL HANDICAP
(Continued from Page One)

ing behind in the order named for the first lap and a half. At the end of the first quarter McVickar was in the lead with Parker still second, Mason third, and Zubiria fourth. There was no change in the positions until the last eighth of the fifth lap when Parker passed McVickar and held the lead for about fifteen feet. At the beginning of the final quarter Parker again nosed ahead of McVickar and Zubiria passed Mason, with about fifty yards separating each pair of men. Parker held his lead to within fifty yards of the tape when McVickar sprinted and finished a winner by a five-yard margin. Mason easily overcame Zubiria's lead and finished third.

The summary:

One Hundred-yard Dash, First Heat—First, Doon, '17, scratch; second, A. L. Ford, '18, 3 1-2 yds.; third, Goldstein, '19, 5 1-2 yds. Time 10 2-5 seconds.

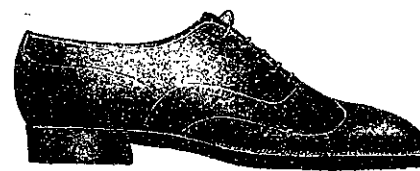
One Hundred-yard Dash, Second Heat—First, Russert, '18, 1 yd.; second, Gagnebin, '19, 4 yds.; third, Jackson, '19, 3 1-2 yds. Time 10 1-5 seconds.

Mile Run—First, Brown, '16, scratch; second, Stevens, '18, 40 yds.; third, Gray, '16, 70 yds.; fourth, Brownie, '19, 100 yds. Time 4 min. 53 seconds.

440-yard Run—First, Doon, '17, 10 yds.; second, Guething, '16, scratch; third, Scott, '19, 15 yds. Coward fin.
(Continued on Page Five)

**FRANK BROTHERS
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FALL HANDICAP
(Continued from Page Three)

ished second but position not counted. Time 53 3-5 seconds.

120-yard Hurdles—Events not run on account of wind.

100-yard Dash Finals—First, Russert, '18; second, Doon, '17; third, Ford, '18, 3 1-2 yds.; fourth, Fisher, '18, 3 1-2 yds. Time 10 2-5 seconds.

Two-mile Run—First, McVickar, '18, 70 yds.; second, Parker, '17, 70 yds.; third, Mason, '17, 90 yds.; fourth, Zubiria, '18, 125 yds. Time 10 minutes 40 3-5 seconds.

220-yard Hurdles—First, Jackson, '19; second, Pinkney, '19. Time 27 seconds. Two entries only, both starting from scratch.

220-yard Dash, First Heat—First, Sullivan, '17, 4 yds; second, Fisher, '18, 5 yds.; third, Ilsley, '19, 8 yds. Time 23 2-5 seconds.

220-yard Dash, Second Heat—First, Russert, '18, scratch; second, Ford, '18, 3 yds.; third, Reed, '16, 3 yds. Time 23 3-5 seconds.

880-yard Run—First, Gagnon, '17, 20 yards; second, Scott, '19, 30 yds.; third, Hamilton, '18, 20 yds. Coward finished first with 20-yard handicap but position not counted. Time 2 minutes 11 3-5 seconds.

220-yard Dash, Final—First, Sullivan, '17, 4 yards; Second, Ford, '18, 3 yds.; third, Ilsley, '19, 8 yds.; fourth, Fisher, '18, 5 yds. Time 22 4-5 seconds.

Shot Put—First, Curtin, '17, 37 feet 6 inches, handicap of 1 foot 6 inches; second, Swain, '16, 35 feet 9 1-2 inches, no handicap; third, Stevens, '17, 35 feet, handicap of 2 feet 6 inches; fourth, Sewall, '17, 30 feet 5 inches, handicap of 2 feet.

Pole Vault—First, Lewis, '17, 9 feet 6 inches, handicap of 1 foot 2 inches; second, Huang, '19, 9 feet, handicap of 1 foot 6 inches; third, Gokey, '17, 9 feet, handicap of 1 foot; fourth, Buchanan, '18, 9 feet, no handicap.

High Jump—First, Childs, '18, 5 feet, 7 inches, handicap of 1 inch; second, Sullivan, '17, 5 feet 7 inches, no handicap; third, Doon, '17, 5 feet 4 inches, handicap of 1 1-2 inches; fourth, Hodgson, '19, 5 feet 2 inches, handicap of 2 1-2 inches.

Hammer Throw—First, Swain, '16, 129 feet 5 inches, no handicap; second, Stevens, '17, 112 feet 8 inches, handicap of 15 feet; third, Scranton, '19, 94 feet 1-2 inch. Three entries only.

Broad Jump—First, Reed, '16, 21 feet 1-4 inch, no handicap; second, Gokey, '17, 19 feet 4 inches, handicap of 10 inches; third, Hodgson, '19, 19 feet 3-4 inch, handicap of 9 inches; fourth, Gagnebin, '19, 17 feet 3 1-4 inches, handicap of 9 inches.

Discus Throw—First, Gokey, '17, 101 feet 2 inches, no handicap; second, Swain, '16, 87 feet, 9 inches, no handicap; third, Stevens, '17, 82 feet 6 inches, handicap of 15 feet; fourth, Sewall, '17, 86 feet 6 inches, handicap of 10 feet.

E. E. SOCIETY

Mr. von Vittinoff To Lecture At Next Meeting.

The next meeting of the Electrical Engineering Society will be held in the main room of the Union on Thursday evening of this week. A reception to college graduates will begin at 7.30 o'clock. After the reception, Mr. Hans von Vittinoff of the firm of Stone & Webster will give a lecture on "Gas Central Stations." Mr. von Vittinoff is a Stevens Institute graduate and at one time superintended the Central Station of the Haverhill Gas Co. At present he is assistant to Mr. Royce of Stone & Webster, who has the management of the Fall River Gas Works, the Pawtucket Gas Co., the Connecticut Power Co. and the Blackstone Valley Electric Co.

Besides the men of the electrical courses those of courses V and X have been invited to attend this meeting.

CHESS TEAM WINS

The first game of the match with Harvard, played Friday at the Union, resulted in a 3 1-2 to 2 1-2 win for Technology.

TECHNIQUE BAND

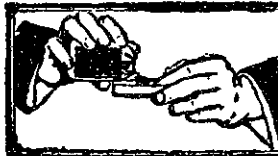
The Technique Band will hold a rehearsal in 6 Lowell, at 5.00 o'clock today.

L. P. HOLLANDER & CO.

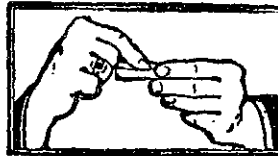
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AT MODERATE PRICES*

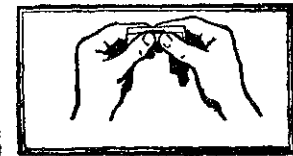
**EVERY SUIT IS MADE IN OUR OWN SHOPS
FROM THE BEST FOREIGN WOOLENS**



1. In the fingers of the left hand, hold paper, curved to receive tobacco, poured with the right hand.



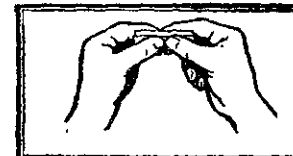
2. Spread the tobacco the length of the paper, making it slightly hollow in the centre.



3. Then place your two thumbs next to each other in the middle of the paper in this position.

How To "Roll Your Own"

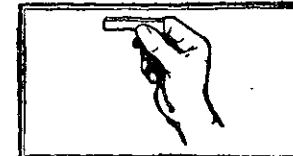
It's a simple, easy process. You can do it with your eyes shut after a little practice. And what a joy is the fresh, fragrant cigarette of "Bull" Durham rolled by your own hand to your own liking! You "roll your own" with "Bull" and note the difference.



4. Roll cigarette on lower fingers, index fingers moving up. With thumbs gently force edge of paper over the tobacco.



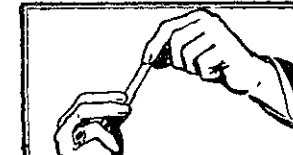
5. Shape the cigarette by rolling it with the thumbs as you draw them apart.



6. Hold the cigarette in your right hand, with edge of paper slightly projecting, and—



7. With the tip of your tongue moisten the projecting edge of the paper.



8. Close ends of cigarette by twisting the paper. The cigarette is now ready to smoke.

GENUINE

**"BULL" DURHAM
SMOKING TOBACCO**

All over the world men of energy and action are rolling "Bull" into cigarettes. Probably not one of these millions of men "rolled his own" successfully at the first trial. There's a knack in it—"rolling your own" is an art—but you can learn it if you will follow these diagrams. Keep at it for a few days and you'll soon be able to make for yourself, to suit your own taste, the smartest, liveliest, mildest smoke in the world.

"Bull" Durham, made of "bright" Virginia-North Carolina leaf, has a mellow-sweetness that is unique and an aroma that is unusually pleasing.



Start "rolling your own" with "Bull" Durham today and you'll never again be satisfied with any other kind of a cigarette.

Ask for FREE package of "papers" with each 5c sack

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 fectly ventilated shop in the Back Bay.
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 of without board at 285 Newbury
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 projects.
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NEW YORK BOSTON CHICAGO

SHOW COMPETITION
 (Continued from Page One)

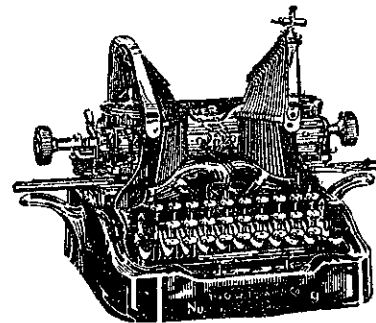
of the class of 1919. Freshmen inter-
 ested will meet Publicity Manager R.
 S. Stevens at that time and will be
 given the first assignment in the
 competition.

The competition is to be short,
 lasting, probably, two weeks. The
 man chosen will, unless his work is
 later found to be unsatisfactory, re-
 tain his position during the remain-
 der of the year, and will then be
 promoted automatically to First As-
 sistant and finally to Manager of his
 department. He is then one of the
 four men eligible for the General
 Managership of the Show.

Men who are members of Field
 Day teams, or who are unable to re-
 port Wednesday, are to leave their
 names at the Cage for Publicity Man-
 ager Stevens and watch The Tech
 for a notice of the next meeting of
 candidates. Others will meet at 5.00
 o'clock on that day in the Show office
 in the Union.

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Model Typewriter!

The **No. 9**
OLIVER
The Standard Visible Writer
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 It is just out—and comes years before experts
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For makers have striven a life-time to attain this ideal machine. And
 Oliver has won again, as we scored when we gave the world its first
 visible writing.

There is truly no other typewriter on earth like this new Oliver
 "9." Think of touch so light that the tread of a kitten will run the
 keys!

CAUTION!

The new-day advances that come
 alone on this machine are all con-
 trolled by Oliver. Even our own
 previous models—famous in their
 day—never had the Optional Du-
 plex Shift.

It puts the whole control of 84
 letters and characters in the little
 fingers of the right and left hands.
 And it lets you write them all
 with only 28 keys, the least to
 operate of any standard typewriter
 made.

Thus writers of all other ma-
 chines can immediately run the
 Oliver Number "9" with more
 speed and greater ease.

WARNING!

This brilliant new Oliver comes
 at the old-time price. It costs no
 more than lesser makes—now out-
 of-date when compared with this
 discovery.

For while the Oliver's splendid
 new features are costly—we have
 equalized the added expense to us
 by simplifying construction.

Resolve right now to see this
 great achievement before you spend
 a dollar for any typewriter. If you
 are using some other make you will
 want to see how much more this
 one does.

If you are using an Oliver it
 naturally follows that you want the
 finest model.

17 CENTS A DAY Remember this brand-new Oliver "9"
 is the greatest value ever given in a
 typewriter. It has all our previous special inventions—visible writing,
 automatic spacer, 6½-ounce touch—plus the Optional Duplex Shift, Se-
 lective Color Attachment and all these other new-day features.

Yet we have decided to sell it to everyone everywhere on our fam-
 ous payment plan—17 cents a day! Now every user can easily afford to
 have the world's crack visible writer, with the famous PRINTYPE, that
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