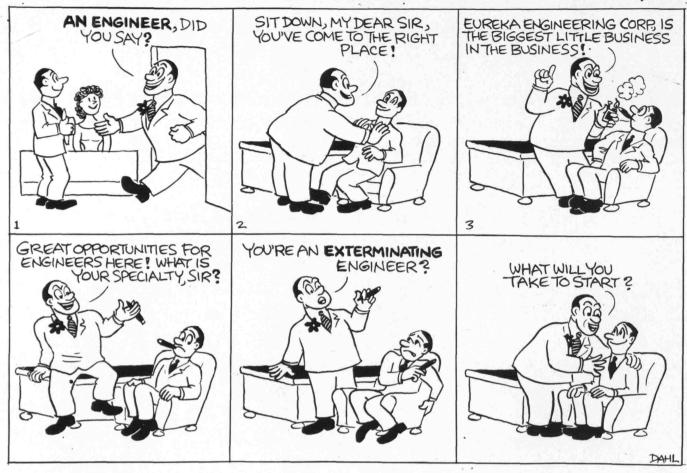
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We note with great concern that the most ruthlessly grinding of all difficulties is financial insolvency, and that, at this moment, one of Technology's hoariest publications is being hurled into this mill.

We hope, of course, that the lamentations that we have heard issuing from THE TECH may ultimately be traced to a mistake in one of their sets of books. Nevertheless, we have twice been approached by THE TECH staffers, who wanted to borrow brew because of the exhaustion of THE TECH stocks. (And such stories of hirings and firings, rolling heads, and the like would make one's blood foam like chilled beer).

There are only two possible alternatives. The first is that the unofficial undergraduate newspaper must sell its front and rear pages to Inscomm and the AA, respectively, and its editorial pages to Osiris as advertising. It may then resume its status as the "Official Undergraduate Newspaper" without a qualm.

But VOO DOO cannot condone such a mercenary step as being the best for the MIT community, and it is well known how we have the best interests of the community at heart. We cannot accept it because it would abolish the funniest things ever written at the Institute, that is to say: THE TECH editorials.

So we must, therefore, call upon the MIT student body to make a great intellectual and financial sacrifice, and to adopt the second proposal: Buy THE TECH. Every issue. Is ten cents per week too much to spend for such a laff riot? We think not.

W.A.

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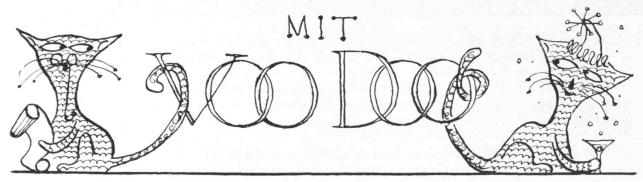
All material submitted with a stamped, self-addressed envelope to the Literary Editor, at this office, will receive careful consideration.

Copyright, 1956, by the VOO DOO Senior Board. Published by the Senior Board for the Students of Massachusetts Institute of Technology. Office: 303 Walker Memorial, Cambridge 39, Mass. Office Hours: 4:30 to 5:30 P.M., Monday through Friday. Published monthly from November to June. Twenty-five cents a copy. Subscription: \$2.00 for Eight Issues. \$53.00 in Pago Pago. Published February 15, 1957, March Copy Inserted.

Entered as second class matter at the Post Office at Cambridge, Mass.

This month's cover by Pete Samton





Apparently it's no use trying to be nice to some people. In previous years, we had a running feud with one of the Co-eds. We would expose the seamier side of her life in this column and she would send us vitriolic letters. This year we decided to conduct ourselves like the well mannered folk we are and not say anything nasty about her. In return, this morning's mail brought a vitriolic letter from her complaining that we never mentioned her anymore.

Things are getting pretty tough around here. We just spent uncounted millions redecorating our office and now that we're finally ready to create in sophisticated comfort, we have encountered a situation. A week ago we called a meeting and eagerly headed for the office. When we got there we found a note from our married board member to the effect that we would have to walk out to Brookline for the meeting, since he felt unable to leave his wife who is expecting.

A friend of ours made the mistake of complaining about a rattling blind in one of his classes. With extreme politeness, the instructor stopped his lecture and walked to the window where he raised and lowered the blind several times to no avail. Finally he pulled the blind to half mast, took the loose end and handed it to our friend with instructions to hold it for the remaining forty-five minutes of the period.

We nearly had a civil war in the office the other night when the Treasurer accused the Literary Editor of writing stories on the former's adding machine paper.

We reprint our favorite question from our favorite final. It is problem number two from the Communications Theory exam. It begins, "A communications channel handles only three kinds of messages. These three are of equal probability. These are: (1) yes; (2) no; and (3) depends on whether or not it turns out to be possible, but I'll see what I can do about it and let you know later."

As last semester ground to a halt, we had our first open book Humanities quiz. We were allowed to bring dictionaries to an E 31 quiz.

Our informant swears that the following two telegrams are exactly as they appear in the files of whoever files such things. Telegram to Sixth Fleet: "Put to sea immedaiately; prepare for anything." Telegram from Sixth fleet: "Have put to sea; whose side are we on?"

There is a rumor circulating around the Military Science Department that there is soon to be an all Institute exposé. It seems that students are taking R.O.T.C. to get out of taking electives.

A friend of ours prudently left town for the weekend the day his grades were due to arrive at his home. When he returned Sunday night, tiptoeing carefully so as not to awake any incipient parents, he found a note from his brother whom he is now quite fond of. The note read, "Explained your grades to mother; she was quite proud of the 'D'."

THE TWENTY-THIRD QUALM

The prof is my quizmaster

I shall not flunk.

He maketh me to enter the examination

He leadeth me to an alternate seat

He restoreth my fears.

Yes, though I know not the answers to the questions,

I will feel no failure, for others are with me.

Class average comforteth me.

I prepare my answers before the presence of my roommates

I annoint my bluebook with answers

My time runneth out.

Surely grades will follow me all the days of my

And I will dwell in the class forever.



The class in first aid was divided on deciding what garment of clothing should be removed last when a boat capsized. Finally the question was resolved when a coed stood and asserted positively, "The blouse, cause air gets under it and acts like a bouy."



A teacher was calling roll.

"Robinson."

"Here."

"Rosenthal."

"Here."

"Mary Smith."

"Here."

"Wanamaker."

Chorus - "Yes."

"Daddy, why can't I go out and play like the other kids?"

"Shut up and deal."



A comely young matron stepped on the drugstore scales after devouring a giant sundae and was shocked at what she beheld. Promptly she slipped off her coat and tried it again. The results were still unflattering, so she slid off her shoes. But then she discovered she was out of pennies. Without a moment's hesitation, the lad behind the soda fountain stepped forward.

"Don't stop now," he volunteered. "I've got a handful of pennies and they, re all yours."



Mother: "I didn't raise my boy to be a soldier."

Colonel: "Is he in R.O.T.C.?"

Mother: "Yes."

Colonel: "Don't worry, madam, he isn't."



The sailor had missed his ship. He watched it majestically steaming through the Golden Gate. With his arms around the girl's waist and a gloomy look on his face, he muttered, "Now, honey, we're both in trouble."



Two Wacs returning late one night got into the wrong barracks - those of the enlisted men. One lost her head and ran; the other remained calm and collected.

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"A Loaf of Bread, a Jug of Wine and Thou ---", or, in more colloquial English, "Eat, drink, and be merry!" Today we eat. Though most people have eaten food most of their lives, it's surprising how many give it little more thought than being hungry or not being hungry, liking what's served or not liking it. Hence, a few comments on Food, or more properly, Foods, since we'll touch on specifics now and then.

By and large, food can be divided into two classes - meat and not-meat. Of the two, I prefer meat. It can furnish near-infinite variety, and it's reputed to be good for you. To certain stalwarts of the croquet-and-martini clan, this last may be a somewhat dubious advantage, but there are others. Chief of these is that it tastes good. There are more but I've never bothered finding out; that's enough.

As mentioned, you can get the stuff in many ways, shapes and forms --- considerably more than the proverbial ram, lamb, or mutton. Most people know the difference between beef, pork, lamb, et al, so we can proceed to discussion of all. Bifteck, bistecca, or beefsteak, everyone enjoys it. The pity is, though, that most steakmen leave it at that, when lamb and veal steaks can be excellent and are generally much cheaper. Next time at Durgin-Park, resist the rib-roast temptation and order the lamb steak. Rare (or to your taste), with melted butter, sprinkled with salt and pepper; no doubt, it deserves to be better known.

What about beefsteak, though? There seem to be nearly as many cuts of steak as kinds of meat. Porterhouse, sirloin, tenderloin, club, filet Mignon, eye of round, their names are legion. Generally, though, you can divide them into two classes; let's take the more deluxe first. These are the ones you meet in restaurants - sirloin, tenderloin, porterhouse, filet Mignon, club - that's enough.

The finest cut is the sirloin - reputedly named such after a hungry English king who was so impressed with a choice cut that he knighted it on the spot. This judgment, I suspect, will offend the tenderloin and filet Mignon school; but, on good authority, I've been told that the sirloin, with its large bone down the side, its marrow and juices, is a more flavorful cut. It comes from a wholesale cut called the Loin End, which would be somewhere between your roommate's hip-bone and floating ribs, as he lies there sleeping. (Use a sharp knife though; it's half the battle.) The porterhouse, the T-bone, and the club are similar but not so good, coming from, respectively, slightly farther forward in the Short Loin section.

Make no mistake, though, the tenderloin is an excellent piece of meat, too. It's essentially a hunk of meat, shaped rather like a biceps, stripped out from the loin area. If you don't want to fight the bone and fat of the sirloin, try one of these, especially a filet Mignon, the choicest bit of the tenderloin, wrapped in bacon and broiled.

All this sounds tempting, but expensive. Still, if you have the facilities, you can buy steak and prepare it and have a dish as good as at all but the finest restaurants. Remember several things, though. First, buy good meat -- USDA Prime, Choice, or Good. Prime is the best; it has quite a bit of fat marbled into the meat and you may prefer Choice. Good is good, but it is less juicy and apt to be slightly tougher. Second, get the right meat. Inexpensive cuts - eye of round or top round (from the Round, or thigh) - make quite a respectable steak, but for broiling, it should be at least 1" thick, 1½ or 2" if possible. In addition, the round steak has much less fat throughout and may be less juicy.

Rare, medium, or well-done? It's been found that the flavor of rare meat comes primarily from the juices, and that of well-done meat from the meat fibers. Make up your own mind, but don't try to convince me - I like it almost bloody. Remember, though, that the less fat in the meat, the

drier it will be if well-cooked, and use discretion. Cooking, flavoring, sauces? Wars have been fought over less. Some say salt before, others say afterward. Some like garlic, some don't. My suggestion: cut a couple of cloves of garlic into large pieces (you'll want to be able to find them later) and cut into quarters a couple of slices from a large onion. Slightly salt and pepper steak, put into flat pan; toss in garlic and onion pieces. Cover with red wine for at least fifteen minutes. Slash the fat around the edge to keep the steak from curling, but don't cut through to the meat. You can brush with olive oil, if you like, for a juicier, more flavorful steak. Preheat the broiler - and the rack, too, if you like grill marks seared into your steak - and put the steak about 2"-3" below the flame or broiler unit. Broiling time depends on the thickness and on the desired degree of doneness - a 1" steak, rare, will take about 7 minutes to a side, a 2" steak, medium, about 20 minutes to a side.

There are other meats fully as good, or almost as good, as steak, though. A good rib roast of beef, a la Durgin-Park, say, is excellent. Even a good pot roast, which is cooked with water or juice in the roasting pan (as compared to a rib roast - no water, no cover, just rub with salt, pepper, perhaps some garlic and put in the oven) can create a sincere feeling of sympathy for visiting vegetarians. Here, again, though beef is pre-eminent in the field, there are excellent others. A leg of lamb (rubbed with garlic and oregano) or a pork roast (Stop and Shop's loin ends, at about 39¢ a lb. are not bad if they're not too fat), as well as S & S's country-style spare ribs (which can be baked or boiled, especially with sauerkraut), can be excellent.

A fairly exotic dish - good to impress a dateis shish kebob, under any one of a dozen spellings and names. A leg of lamb cut into chunks
and left to marinate about a day, more or less,
in a bowl of: 1 t. salt, 1/4 t. black pepper, 3
med. onions (finely chopped), 3 med. carrots
(finely sliced), 3 whole cloves, 2 bay leaves,
1 clove garlic (crushed, use the back of a spoon
and a shallow sauce dish). 10 black peppercorns, 4 sprigs parsley, 2 c. red wine, 1/2 c.
olive (or cooking oil), 1/4 c. wine (or cider)
vinegar. Alternate pieces of onions, tomatoes,
green peppers, and cucumber slices on skewers
with chunks of meat. It's a good idea to mari-

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BOSTON

(Continued on Page 27)

Don Hatfield

Know Your Enemy

The ability to distinguish the enemy from the ally is one of the first rules of combat. Not only might a lack of such ability lead to rather embarrasing situations, but loss of life, or worse, loss of U. S. Government Property, may be your forfeiture for unstrategic defiance of martial law.

The need for such ability may arise under many diverse situations. Consider the case of 1st Lefetenant Archibald Brimpingston, Lord of Lower

Pottelby-on-the-Quagmire.

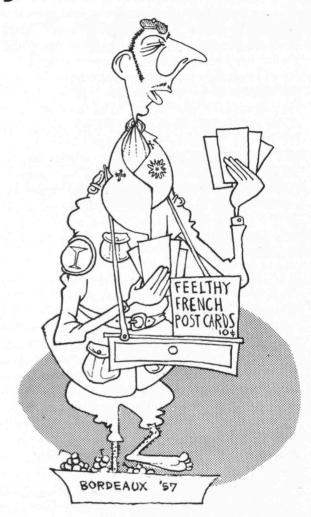
Archie, leading his detachment across an open field at a brisk walk, found himself and his men under heavy fire. With great presence of mind, Archie collapsed in a dead faint, tumbling into the protection of a convenient foxhole. When his men had at last brought him around, he found himself confronted by a Texan. Deceived by the large brimmed stetson, Archie asked, "I say, you from Down Under?"

"Down under where?" queried the Texan.

"Down underwear!" Archie replied, "Never tried them. They do sound beastly comfortable."

At this, the Texan lashed out with his bull whip, completely shredding Archie's beret, felt, black, one each. Archie was subsequently stripped of his commission by the Ministry of Defense for contributing to the loss of Her Majesty's property and spent the rest of his life in utter disgrace as an associate professor at a little known technical institute in the States.

Such a tragic fate may be avoided by the judicious use of the following handbook. It is important that the user consult his Who We're Fighting and Why Manual, published daily by the State Department. The latter portion is trivial and repetative, but the Who requires frequent review. The Handbook is designed for use in conjunction with this manual, its purpose a means of identifying the nation for which a soldier may be fighting, regardless of race, creed, or country of origin.

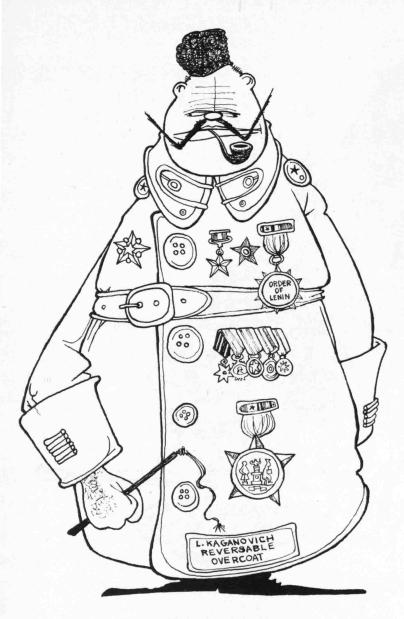


THE FRENCH SOLDIER

Special Equipment: Rapier or epee in bayonet clip. Elongated glass canteen marked with name of province and year of manufacture. Steel lined beret on head. Small loaf of bread in pants. Ambient aroma. Post cards.

Special Characteristics: Speaks many languages fleuently, none intelligable. Great animal lover.

Postively Identify: Offer him drink from your canteen. If he chokes on water, revive him with the Marsellaise. He is a Frenchman.

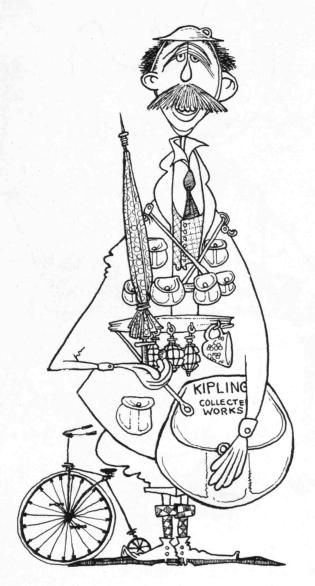


THE RUSSIAN SOLDIER

Special Equipment: Flip-over portrait of Stalin. Can be flipped forth and back to resemble benevolently paternalistic butcher. Medals celebrating survival of monthly purges. Helmet empty to celebrate latest purge. Souvenirs of heroic pogrommes, includes blood stained baby rattle, slit priest's collar.

Special Characteristics: Neck twisted slightly to accommodate over shoulder looking. Capable of disarming bear hug. Appreciates camaraderie. Drinks excessively. Left breathless.

Postively Identify: Set bottles of liquor on any convenient table. If you go beneath the table before he, he's a Russian. It is recommended that this test be performed, for safety's sake, at slightest provocation.

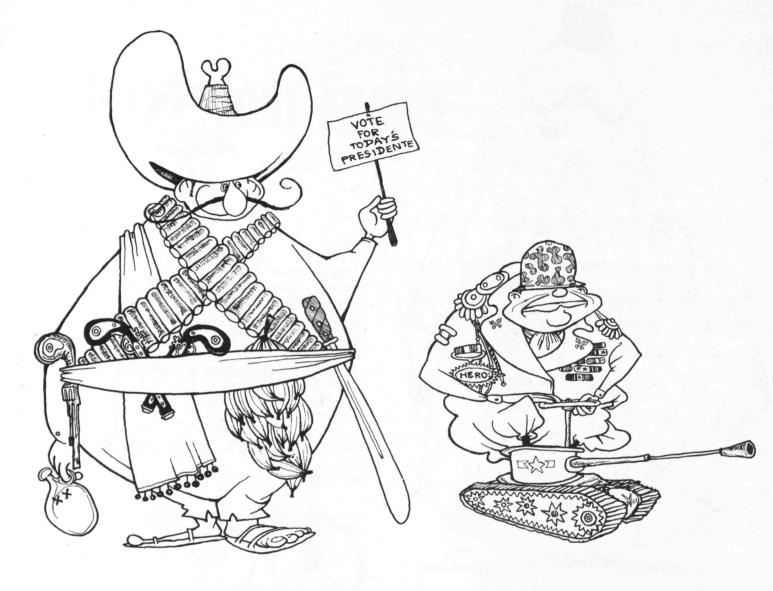


THE BRITISH SOLDIER

Special Equipment: Black silk bayonet, opens in rainstorms. Hand knit tie, spats over combat boots. Dual purpose helmet converts into tea pot or top hat. Krumpet tins as K rations.

Special Characteristics: Sneers profusely. May refer to U. S. as the Colonies. Builds brick enclosed garden about fox hole. Speaks English with quaint accent. Becomes indignant when reminded of this.

Postively Identify: Relate to him a humorous anecdote. If British, he will laugh thrice, when you tell it to him, when you explain it to him, when humour of it occurs to him.



THE VENEZUELAN SOLDIER

Special Equipment: Brass plated felt uniform. Sunglasses to reduce glare from medals. Fully automatic shotgun for suppressing uprisings. Uncorked canteen in left hand.

Special Characteristics: Swears profusely but politely. Gesticulates. Believes in rule by the many. Encourages presidential turnover. Brushes teeth with mustache.

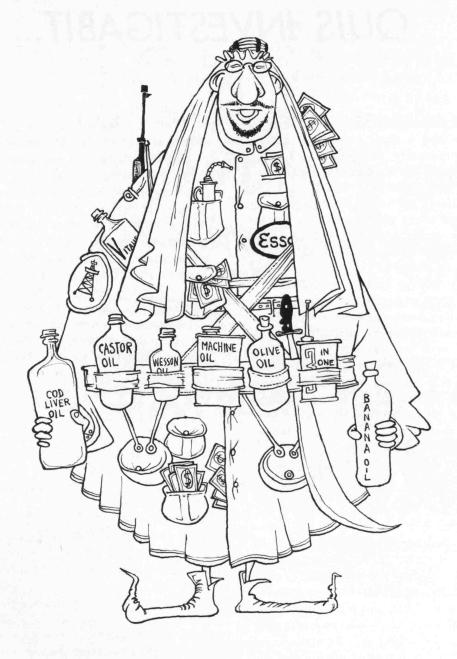
Positively Identify: Ask simple question, for example, what time is it? If Venezuelan he will wave arms madly for about fifteen minutes telling you in no uncertain terms that it is quarter past three.

THE R.O.T.C. 2ND LIEUTENANT

Special Equipment: Dress uniform for combat. Bullet proof vest strapped on backwards for maximum protection. Carbine lacks gun sights. Class ring for cap insignia.

Special Characteristics: Salutes everything that moves except a superior officer. Occasionally salutes with right hand. Actions suggest internal navel contemplation. Nose excessively suntanned.

Postively Identify. Ask to see manual of arms. If he asks what edition, disarm him immediately by relieving carbine of firing pin. He is a Rotsie 2nd John, and cannot be trusted with an operative weapon, having never handled one before.



THE ARAB SOLDIER

Special Equipment: Oriental dagger, sheathed in friend's back. Cloth helmet. Russian weapons. American ammunition. East pointing field compass.

Special Characteristics: Licks hand before saluting. Asiduously avoids unpolluted water. Wears shoes reversed.

Postively Identify: Express alarm about lice in his beard. If reaches up to scratch lice, he is not an Arab.

QUIS INVESTIGABIT...

She was one of those girls with short, stringy hair--light brown--and a thin, pale face which seemed to be perpetually struggling to further conceal the location of an already almost invisible mouth. Maybe that was why I can't recall ever having heard her voice in class, though she was in several of my classes--sitting in the back of the room, several seats away from the nearest source of human contact. And, of course, nobody ever spoke to her.

You may easily wonder how I could possibly have taken an interest in a girl like this. I often wonder myself. For some unknown reason, she aroused my cold, calculating, scientific curiosity.

Like I said, I took an interest in this girl. For several weeks it lay dormant, until one evening, in a particularly calculating and scientific mood, I emerged from the supper line carrying a typical steaming, pungent tray, to notice her eating at one of the small tables. The temptation was irresistable--and, of course, I yielded. I ambled over, sat down, and casually began to dispatch the contents of the tray. She didn't even look up. In fact, it seemed that her customary cast-iron shell had even thickened a bit, if possible.

At this point, I decided it was time to go into my act. I began to stare at her with a type of gaze that is usually reserved for a rather different species of female. She made a valiant effort to convince me that she was completely unaware of my presence, and, furthermore, had no intention of ever becoming so. We maintained our respective attitudes for what seemed an interminable length of time, during which my food got colder, my eyes drier, and my confidence weaker. I also noticed out of the corner of my eye that this atypical situation was beginning to attract the attention of some of the more typical occupants of the dining hall.

Finally, just as I was on the verge of surrendering and departing in disgust, my perseverance was rewarded. She lifted eyes, stared at me briefly, and asked, calm and cool as you please, "What are you staring at?"

I breathed an inward sigh of mingled satisfaction and relief. "You," I answered, in what I hoped was an appropriate intonation.

"What's so fascinating about me?"

"Well," I began, "in the first place you're a rather attractive girl, and besides---"

She interrupted me so abruptly that I jumped. "I'm not attractive, and you know it, and so does everyone else whom I've ever met! I'm ugly, ugly, ugly! The only time in my life I can ever remember anyone even hinting at my being attractive was the time I passed some hoodlums on a street corner who whistled at me and then laughed until I was out of sight. You don't look like a hoodlum-why do you insist on making me miserable?" There were tears in her eyes.

I closed my mouth. In the few seconds it took me to recuperate from the shock, things fell into place. The plot was thickening, and I think I felt some of my cold scientific detachment dissolve in the brew.

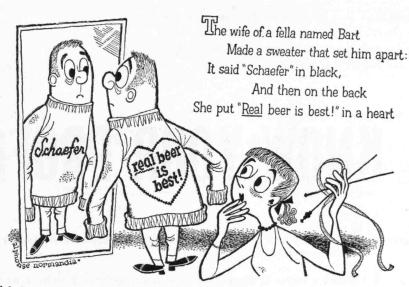
During the next few hours, I executed what was probably the best female-handling- and psychological-investigating-type operation of my life. I analyzed her; I soothed her; I patted her hand; I convinced her that hers was a Different Type of Beauty; I even bought her some makeup and persuaded her to use it. I must say that I did a rather good job. When it was over, she did look considerably attractive. I even found myself developing a different type of interest in her--but by this time it was getting late, so I took her home.

That weekend I took her out. When I brought her home, she invited me in. I should have known then by the gleam in her eye--but no, I was too preoccupied with my own achievements. And so I went on brilliantly achieving until she deftly maneuvered the conversation around to a story she was writing, and asked me if I'd like to read it. Naturally I consented.

She wandered into her room to get it--and for some reason I followed. I think that was when I began to get suspicious, for she took the story from a drawer of a little cabinet on whose surface was a sizeable assortment of cosmetics. Somehow the idea sneaked up on me that those cosmetics had been there for quite a while, and, that she wanted me to know it.

And then I knew that I had just completed my last psychological investigation.

The story began, "He was one of those boys..."



All knitters, crocheters and their willing victims: Pause a while today to enjoy some Schaefer. Schaefer is <u>real</u> beer, <u>real</u> in true beer character, <u>real</u> in the wonderful flavor you want, but don't always find. Its light, lively flavor is just right these days.

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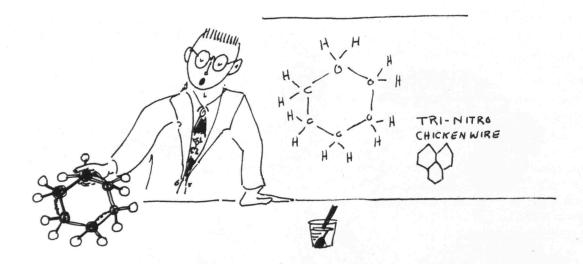


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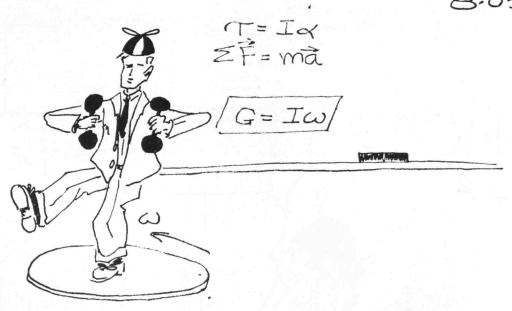
Once again Voo Doo presents! By an elementary, do-it-yourself type of misreading of a child psychology text, you too can understand the faculty. The following treatise will allow you to...

KNOW YOUR PROFESSOR

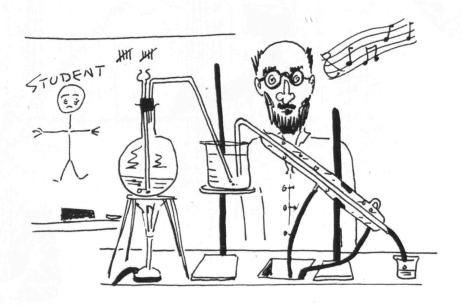
- 3-years tenure: 1. Alternates feet going upstairs. Rides tricycle and uses the pedals. Can stand on one foot with momentary balance.
 - Makes a tower of ten blocks. Imitates building a three cube bridge. Names his own drawing, can copy a circle and imitate a cross. Can repeat 3 digits (1 or 3 trials).
 - 3. Uses plurals now. Can answer a few comprehensive questions, such as "What is a spoon used for?" or "What do we do with the chair?"
 - Feeds self and spills very little. Puts on his own shoes and is able to unbutton accessible buttons. Knows a few rhymes. Understands taking turns with things now.



- 4-years tenure: 1. Is able to skip (lame duck fashion). Can balance on one foot for several seconds. Buttons clothes and laces shoes with ease. Can swing arm back in strong overhand throw.
 - 2. Draws a better circle with strong clockwise strokes. Drawing of a man consists of a head, 2 appendages and possibly 2 eyes. Imitate 5 block gate.
 - 3. Asks many questions. Still tends to articulate in an infantile manner. Likes to talk. Uses personal pronouns.
 - Makes more uninvited comments. Dresses and undresses with little assistance. Takes himself to the toilet. Prefers to play with others. Prone to unreasonable fears. Laces and ties shoes.



- 5-years tenure: 1. Skips smoothly and is more agile than at four years. Balances himself on toes for several seconds. Dawdles less in domestic duties, partly because of greater motor maturity. Jumps well.
 - Puts toys away in an orderly fashion. Draws a "man" with certain completeness from head
 to foot. Can count ten objects. Knows his age. Carries over play project from one day to
 another. Carries a melody.
 - 3. Talks without infantile articulation. Answers questions to the point. Asks fewer, more relevant questions. Can distinguish left from right in himself but not in others. Expresses himself in correct finished sentences.
 - 4. Relatively independent and self-sufficient. Dependable and obedient in the household. Shows domestic interest in sweeping, washing and wiping the dishes. Protective towards younger playmates and siblings. Plays in groups of 2 to 5 with new sociability. Takes pride in his clothes.





2-5

In response to numerous requests (four), the stalwart survey staff (four) of Voo Doo has recently completed an intensive study designed to empower and facilitate the successful completion of the United States Selective Service Examination.

SAMPLE QUESTIONS:

The most frequently discussed and yet least understood group of questions is the English vocabulary and comprehension section. The following examples are representative of this type.

Directions: Each of the samples below consists of a word printed in capital letters, followed by five words lettered A through E. Select the lettered word which has a meaning most nearly opposite to the meaning conveyed by the capitalized word and circle.

1). BLACK A-Pink B-Fuscia C-White D-Plaid E-Grunge

2) PACIFYING A-Deflogistinating B-Pseudoramificating C-Eclecticising D-Proscel usematic E-Grunging

3) UP A-東 B-西 C-南 D-北 E-上

(the solution is left as an exercise for the student)

4) 274948 A-376749 B-068453 C-374h364 D-475639 E-79360

Directions: Each of the samples below consists of two words which have a certain relationship to each other, followed by five lettered pairs of related words. Select the lettered pair of words which are related to each other in the same way as the original pair of words are related to each other. Then, circle the letter corresponding to the letter of the pair you have selected.

1) BLACK: WHITE A- Scroop: Sizzle B- Falling: Scadent C- White: Black Oven: Refrigerator E- Ugh: Grunge

2) LIFO:LIFO: A- Auric perchloric: aurous hypochlorous B- Black: White C- Prince: Pauper D- Ham: Egg E- Grunge Ugh

3) LEFT:RIGHT:: A-Xochimilco:Popocatapetyl B-Black: Black C-Scud: Run D-Reynolds: Foster-Seely E-Egnurg:hgu

4) ONE:TWO::

A-3:4

C-6:9

E-Smedly Fradley Urp: Grunge

Directions: Read the passage below and then answer the questions following them. Each question is followed by five suggested answers, only one of which is correct. Answer each question by choosing the correct answer and blackening the space beneath the corresponding letter on the answer sheet.

DEAR UNCLE FRANK:

I AM FINE. HOW ARE YOU?

I AM LARNING TO SWIM.

LOVE,

JIMMY

 According to this writer, what attitude is shown in this country toward social insurance? A-We have been extremely doubtful that it will work, but have been willing to give it a chance. B-We have opposed it on the grounds of a careful study of its defects. C-We have shown an unintelligent and rather blind antagonism toward it. D-We have been afraid that it would not work under our type of government. E-Swimming insurance would be more practical. 2) According to Adler or Fromm, what complex is associated with the phrase, "Love, Jimmy"? A-Oedipus B-Paranoia C-Schizophrenia D-Electra E-Vitamin B 3) What feeling does the author express in this passage? A-Delight in beauty B-Religious faith C-Anticipation of death D-Enjoyment of old age E-Worship of nature VII MATHEMATICS Directions: Solve each of the following problems, using the blank space at the right of the page for scratchwork. Then, on the answer sheet, blacken the space under the letter corresponding to your answer. All scratchwork must be done in the test book. No space for figuring will be allowed in the test book. The following formulas are for your reference in solving some of the problems: $(\exists z)(\forall x)[x \in z \leftrightarrow \sim [x \in x]] \qquad (\forall z)[z \in x \leftrightarrow z \in y] \leftrightarrow (\forall z)[x \in z \leftrightarrow y \in z]. \qquad (\exists x)(\forall y)(\exists z)[[F_{yz} \to G_{xyz}] \vee [H_y \leftrightarrow F_{xz}]]$ 1) If two erasers cost six cents, how many erasers can be bought for 36¢? D- 71/2¢ A- 2 C- 0 E- 12 B- one gross

2) Give the equivalent of the following Martian Numerals:

992 8 T 8 200

3) Square the following circles:

4) Two buildings of equal height are seperated by an unknown distance. A twenty foot rope is suspended between them forming a perfect catenary. If the lowest point of the rope is ten feet below the tops of the buildings, what is the distance seperating them?

A- 69' C- 10' E- Indeterminate

B- 2megahobies

5) Prove Exodus 16:36.

A- 503853 mh.

6) A pyramid has a base forty cubits square and a slant height of 34 ells. Compute millihobie volume (for purposes of this problem assume seven hand ell).

C- e0 D- Blanck's konstant mh.

7) Four men can mow a lawn and a half in a day and a half. There ages are 33, 17, six years older than he was four years ago, and 109, respectively. The second man makes 7.26% more than the third man who in turn makes more than the sum of the other three but only twice as much as the first man (the grandfather is a slave). If a plane leaves Orly Field at 1633 (Standard French Transport Time) flying due West at an average speed in relation to the sixth moon of Jupiter of 199,872 cm/millidecade while a second plane leaves from Rikers Island at an averace speed of 2 knotsthree dayslater (Saturday)?

A- 43 BTU B- Capital and Labor retard SOCIAL PROGRESS C- February 29, 1963 D- Joseph Vissarionovich Djugashilli E- Western Electric North: S AJ7432 H 42 D -C 9654 West: S-East: SK105 H AK J 10 H Q87 D Q1032 D K94 C Q10873 C AK2 South: S Q986 H 9653

D A8765

North South Vulnerable. South Dealer The bidding: S W N E pass 1H 1S ?

You are East. What do you do?

8)

A-Double B-Bid 2H C-Jump shift D-Call a misdeal

PREPARING YOURSELF FOR THE QUIZ

Several suggested approaches may be used. The statistical smoothing of stationary time curves has proved most satisfactory. Based on the last ten years of answer sheets, the sequence of multiple choices, regardless of questions, will be

	Α	B	C	D	E		A	В	C	D	E		A	B	C	D	E		Α	В	C	D	F	(C-1:
4	11		11	::	::	7	;;	11	11	11	100	13		13	11	11	13	10	11	13 :	11	11	1	(Continue columns according to Paragoric expansion
	11	•	11	11	11	-	11	11	::	11	- 7	13	2	::	11	11	11	13	11	11	::	11	-	to Paragoric expansion
	A	B	C	D	E		Α	В	C	D	E		Α	В	C	D	E		Α	В	C	D	E	- m
2	11	4	11	11	11	Ω	11	11	::	11	4	14	11	1	11	11	11	20	11	- 13		11	11	Type III)
~	11	-	11	11	- 11	O		11	11	11	78	1.7	11	74	11	iii	. 11	20	11	11	-	11	- 11	

These predictions are in close agreement with those predicted by Professor Veiner, who, it may be mentioned here, has successfully evaded the draft for the last ten years.

SUGGESTED REFERENCES:

American Telephone and Telegraph Co., Inc., The Yellow Pages, 1948 The Social Register of New York City, Abridged edition, 1929 Everybody's Baseball, Chicago Pale Feet Batting Averages, Oct., 1896 Graziano, R., Somebody Up There Likes Me, Pocket Edition. Faustus, Dr., Somebody Down There Doesn't Like Me, Mentor Edition RCA Victor, ELVIS, 45 R.P.M. (Rocks/Min.) 2100 = 1,267,650,700,229,301,496,703,205,775

TAKING THE TEST

After the first half hour, when the room has quieted down, mutter, "tick tick ding." Repeat often increasing the number of ticks, the volume, and the period. Eventually, you will build up to the point where the whole class will eagerly await the next the ding. Continue ticking for the remainder of the examination period.

INTERPRETATION OF RESULTS

Report for physical.

Dick Bloomstien

H. M. S.

Don Hatfield

Stu Brody

An American sergeant in Korea went to his lieutenant and protested that he couldn't tell the difference between a North Korean and a South Korean. "It's simple," declared the lieutenant, "the next time you see a Korean look him straight in the eye and say, 'Stalin is a sonovabitch," and you can tell by his reaction whether he is a North or South Korean."

Several days later, as the lieutenant was walking down a road, he noticed a dead and badly mangled N. Korean in the ditch. Just across the road in the other ditch, he noticed the American sergeant he had talked to. The sergeant was bloody and battered, but still alive. The lieutenant rushed over to the Sgt. and asked him what had happened.

"Well," said the Sgt. "I saw a Korean comin' at me and like you told me I stared him straight in the eye and said "Stalin is a sonuvabitch."

"Yes," said the lieut. "and what happened?"
"Then" said the Sgt., "he looked me straight
in the eye and said, "Truman is a sonuvabitch"."

"Yes, yes", urged the Lt., "but what happened?"

"We were shaking hands when the truck hit us?"

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10-70 PRINCIPLES OF COMBUSTION

Emphasis on the application of fundamental principles in combustion reactions. Problems illustrating the quantitative application of principles to fuel utilization.



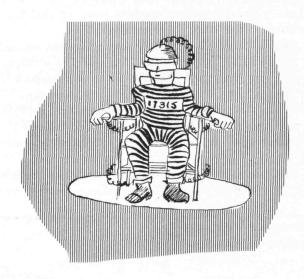
3-81 MINERAL ENGINEERING

The metallurgical treatment of mineral substances from the unit-process and the unit-operation point of view. The processes employed to utilize solid fuels, ores, and minerals.



7-91 ELECTRICAL INSTRUMENTATION IN BIOLOGY

Principles of electronics and electronic devices, including amplifiers, oscillographs, photoelectric cells, X-ray tubes and dosimeters.



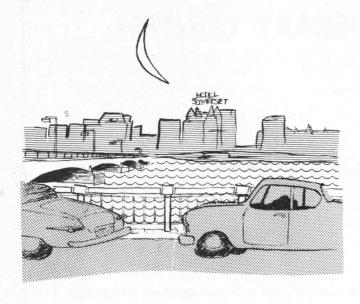
8-18 SPECIAL PROBLEMS IN OPTICS

Refraction at spherical surfaces, lens aberrations, resolving power of instruments, diffraction, light sources, photometry, projection systems, polarization and interference.



2-50 HEAT TRANSFER

Steady and unsteady state conduction, natural and forced convection, heat exchangers with steady and intermittent flow, radiation from solid surfaces, supplementary laboratory work.



H-81 CONTEMPORARY IDEAS ON POLITICAL, ECONOMIC DEVELOPMENT

Emphasis on Pragmatists and Industrialists, Fascism, Communism, Democratic Socialism, current philosophies of hope and despair, and perspective beyond 1984.



19-46 NUMERICAL WEATHER PREDICTION

Analysis of the hydrodynamical equations; finite difference methods with error control; application to barotropic and simple baroclinic models of atmospheric flow.



7-14 COMPARATIVE ANATOMY

Does this course need an illustration?

The Senior Board of Voo Doo is pleased to announce an

ALL COLLEGE LITERARY CONTEST

An award of twenty-five dollars will be made for the best work of light fiction, humorous or satirical essay submitted.

- No box top is necessary; submit work with title only and on a separate sheet print name, address, school, and title of work.
 - 2.) The contest is open to M.I.T. freshman and all girls from any college.
 - 3.) Material should be kept near 1500 2500 words.
 - 4.) Entries should be postmarked before 11:59 p.m., April 15, 1957, and should be sent to:

Senior Board
Voo Doo
Walker Memorial
M.I.T.
Cambridge, Mass.

The managing board of Voo Doo will select the ten best entries. Final selection will be made by the Literary Editor and Professors, Hartley, Green, and Holland of the M.I.T. Humanities department.

LINES

A few horizons away There is a lost land some say Forever blue its skies Wherein the lark sings and flies

In its valleys lilies bloom Laughter runs the height of noon Gentle breezes wave the corn Whisper greetings to newly born

In the cool of starry nights
Fairies dance round household lights
Happiness having found a home
Is loath to leave, the world to roam

Age is something no one knows Joy in living forever grows Every heart does truly sing Eternal youth its king.

E. A. Sarkies

TIME

Time stopped
And standing looked
And saw things
The way they really are.

Only then
Did it recommence
Striving to go a little faster
To make an end of itself.

A. M. M.

MEMORIES

Roseate in the
Darkness of the world's
Troubles come fleeting
Glimpes of the Past.
Warm, caressing, some
Lucid as the day's light,
Others sharp, harsh, distorting
The view of mankind, marching
Quickly, they pass in review,
Cherished, but cast aside
For a vision of the
Future.

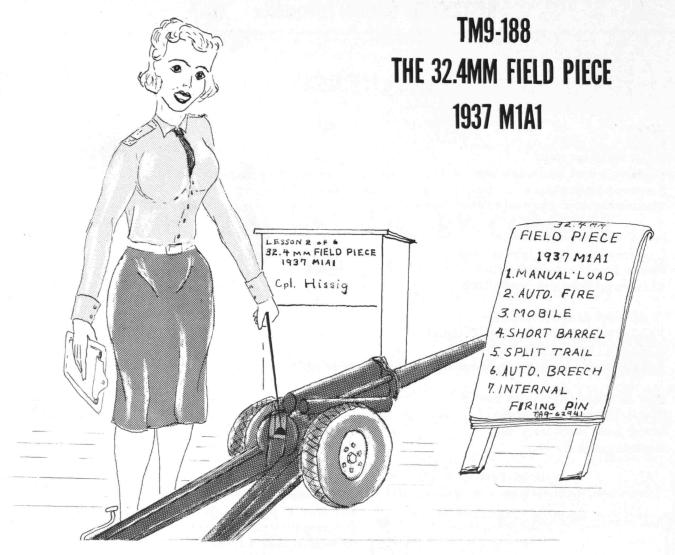


но ним

When I can't sleep, and the need is pressing,
I count my sheep, instead of blessings.
For my blessings are numerous, vague and complex;
To arrange them in order's a troublesome vex.
To offend Divine ears with a backward arrangement
Might lead, goodness knows, to a total estrangement.
For my health I am grateful, my parents are sweet,
But my mind doesn't work well when I am effete;
And I'm likely to mention a grade or a date
That was fun, but mundane (little joys, second rate),
While sheep, on the other hand, agile and nice are
From the jumping, the flock of us asleep in a trice are.

Now I lay me down to sleep Jumping over me are sheep.

Marty



RESTRICTED-- Security Information

(This manual, together with TM 9-219B, 1 January 1957, supercedes TM 9-114, 1 January 1956).

Section I. GENERAL

1. Scope

a. These instructions are published for the information and guidance of the personnel to whom this materiel is issued. They contain information on the operation and organizational maintenance of the 32.4 mm field piece 1937M1A1.

b. This manual will be reviewed by personnel concerned to prevent damage to the field piece and/or operating personnel.

Section II. DESCRIPTION AND DATA

2. Description

a. Weapon

1) Field Piece. The 32.4 mm field piece 1937M1A1 (fig. 1) is a short barreled, manually loaded, automatic firing weapon, averaging 126 pounds combat loaded. The tube incorporates self-lubricating bearing surfaces in the breech to assist in ramming the cartridge, and an internal trigger, M4, which functions when the cartridge is properly rammed. A bearing surface is located atop the breech.

2) Mount M6A2. The 32.4 mm field piece mount M6A2 is a self-propelled motor carriage incorporating the electro-chemical recoil mechanism, constant recoil type, M1, which brings the piece back into battary in about ten (10) minutes. The mount, M6A2, is a split trail type. Each trail is articulated to facilitate emplacement on uneven ground. The two trails may be spread apart for loading or locked together for traveling. The piece is connected to the prime mover by an arm locking device.

3) Ammunition. Any type of ammunition may be used which will function in a weapon equiped with a

continuous or intermittent screw breech.

RESTRICTED Security Information

Section I. OPERATION

1. Emplacement

a. Prepare a surface for emplacement.

b. Remove the traveling cover of the piece

c. Emplace the piece after lubricating well. It rests on its tires and forward supporting surface.

d. Spread the split trail. Note that the breech opens automatically and provides access to the trigger, M4. The bearing surfaces on the inside of the breech must be well lubricated with the oil supplied with the piece.

2. Firing

- a. The gunner positions himself between the right and left drawbars. For added stability, cushions have been provided on the two upper hand holds, and it is strongly recommended that the gunner's chest rest upon these cushions.
- b. Bring the piece to operating temperature, 100° F. Elevation and traverse of the tube is fully automatic only when the piece is at operating temperature.
 - c. Set the fuze, M2, for delayed action.
- d. Ram the cartridge. Care must be exercised initially, because the fuze may function prematurely if it strikes the breech block.
 - e. Firing is automatic.
- f. Design has provided for additional lubrication after firing to expedite removal of the cartridge case. If it becomes jammed, consult FM 9-726, Chapter 6.

Section II PREVENTIVE MAINTENENCE SERVICING

1. Organizational Maintenence

- a. Keeping all parts of the piece in proper condition for immediate service is of the utmost importance. The correct use of lubricants and the frequent application of cleaning and preserving material is essential.
 - b. Removal to second echelon maintenance is required four to six days each month.
- c. Sand or grit in the breech will damage the cartridge and will cause rapid deterioration of the internal surfaces of the breech.
 - d. Inspect the bore for cleanliness before loading the first round.

Tabulated Data

a. Technical Data Pertaining To The 32.4 mm Field Piece 1937M1A1.

	Bore length	8 cm.
	Rifling	smoothbore
	Rifling Estimated life accuracy	40.000 rds
	Rate of fire	*
	Rapid fire Prolonged firing	6 -8 rds per hour 2 rds per hour
<i>b</i> .	Technical Data Pertaining To The Mount M6A2.	
	Weight of weapon	126 pounds
	Length overall, traveling position	65 inches
	Width over hubcaps	26 inches
	Normal travel of equilibrators	
	Return to battery, ready to fire again	
	Time to Emplace	Normally 30 minutes
с.	Distribution.	(w/alcohol - 10 Minutes)



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There's a new game among the fraternity men. Three frats go into a room and each one brings a bottle of Old Judgement with him. They sit and drink for an hour, then one of them leaves. The other two have to guess who left.



Mother: "Do you like your new nurse, Jimmy?"
Jimmy: "No, I hate her. I'd like to grab her and
bite her neck like daddy does."



(Heard at R.O.T.C. supply room): "Well, speak up there, how do you want your uniform, too big or too small?"



"Darling, did you ever try selling vacuum cleaners?"

"No, of course not."

"Well, you'd better start now. That's my husband coming up the walk."

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(Continued from Page 5)

nate the onions in the sauce for a bit to make them less strong. Broil till reasonably done.

There are more good meats; but people generally look askance at a dinner of nothing but meat, so we might talk about other things, salads for example. A really good salad is almost as good as a well prepared meat. But there are salads and there are salads. There are also choppedappleandnutandcarrotpeelingandmarsh mallowandoldshoestring salads which are neither. They're not even salads. Abhor these. With a steak, roast, or such, a tossed green salad is perfect. "Only this and nothing more", the meat is heavy and the salad sets it off well. This, of course, assumes that the salad is good. Many people use wooden salad bowls, so the accumulation of garlic, etc. will flavor the greens. It undoubtedly will - with rancid salad oil flavor. A clove of garlic, cut in half and rubbed over the inside of a metal or porcelain bowl does quite well.

What goes into said bowl? Most of the lettuce you find in stores is the familiar iceberg, with (comparatively) hard-packed, round heads. I like this - it's nice and crunchy - but not for tossed salads. Romaine lettuce (it's a longheaded variety) has much more flavor and is excellent for a tossed salad. Strip the crunchy stems from the leaves and tear the leaves into pieces about the size of a half-dollar. Some leaves of iceberg, similarly torn, are nice in here, too, as a contrast in flavor, color, and texture. A third good one is Boston lettuce, a loose flattish, squarish head of lettuce. It's somewhere between the other two in color, and in taste, well, it's just different. Try the three separately; the difference is surprising.

An interesting point here. To tear or cut the lettuce; once again, pitched battles rage. Tradition says tear. More recently we are told that this procedure was devised lest we stain the lettuce with rusty ironware, and we are advised to use clean knives and cut away. This may well be, but I think that tearing the lettuce also tears the veins of the leaf as well, releasing more of the juices and making a more flavorful salad. At any rate, torn or cut, try Romaine with some iceberg and some Boston lettuces with a garlicrubbed bowl, perhaps a few sprigs of watercress, the olive oil (or salad oil, if you prefer it) and wine vinegar to taste, and of course salt and pepper. A perfect accompaniment to a good steak or roast; serve hot, strong, black coffee afterwards. Bon appetit!



Charlie Mun

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On a lonely road, far from any town, the traveling salesman's car suddenly went dead. There was no gasoline left in the tank. Night had fallen and he made his way toward a light in a house some distance away. A knock on the door brought a beautiful woman in answer.

"Pardon me, Madam," said the salesman, "but my car has broken down. I wonder if you

couldn't put me up for the night here?"

"Well," said the lady, "I'm all alone, but I guess I'll take a chance." And she escorted him to a neat little room on the next floor.

As he prepared himself for bed, the salesman couldn't help thinking of his hostess. Finally, with a sigh, he crawled into bed. But he could not sleep. He found himself still thinking of the lady. Suddenly there was a soft tap at his door. "Come in," he shouted, glee in his voice.

A smiling face showed itself in the doorway-a golden, smiling, warm, countenance, "Would you like company?" the young lady said sweetly,

"Would I?" the guest shouted. "You just bet

your life I would!"

"That's fine," the lady replied. "You see, another salesman whose car broke down is at the door, and he wants me to put him up too."



A young virgin suffering from acute nervousness due to repressed desires, paid a visit to a highly recommended psychiatrist. The doctor took one look at the voluptuous maiden and lost all his professional objectivity. "Take off your clothes," he ordered. "Now lie down on this couch. Now close your eyes and, very slowly, spell the word, 'bedroom.' "

She began: "B . . . E . . . D R . . . Oh! . . Obbbbbbbbbb . . . Mmmmmmmmm."

She was cured.



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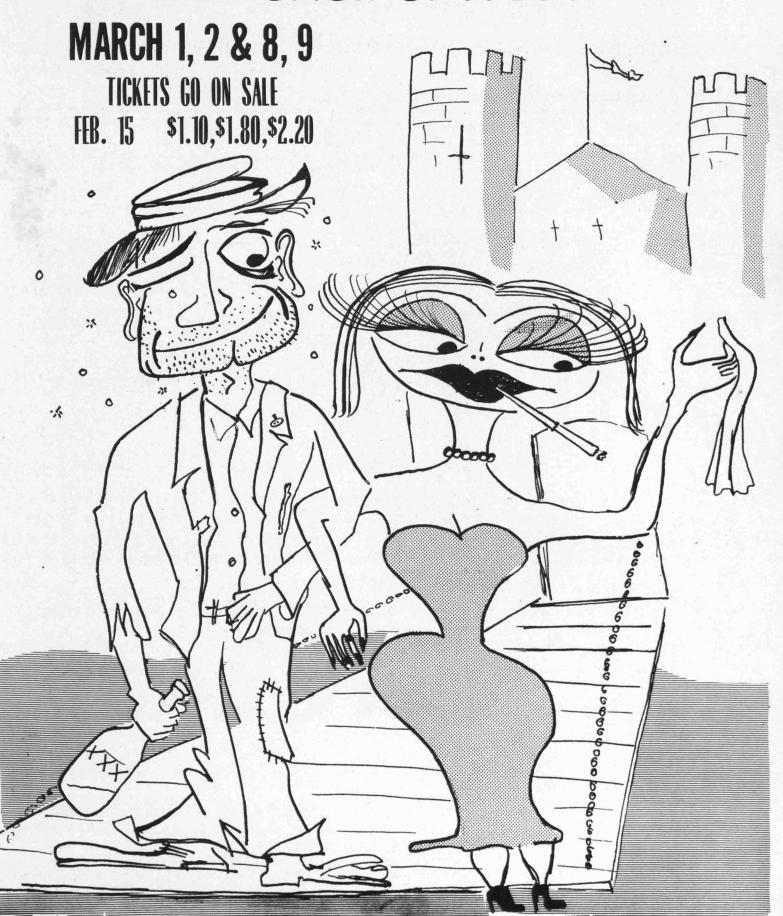
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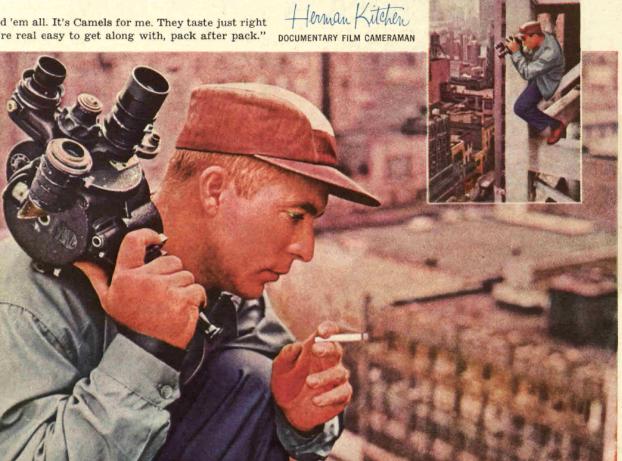
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