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NAVIGATOR'S HOME COMPANION

The question of how soon will the old "reliable" navigator be replaced is coming into its own as our aircraft fly faster and farther. Recently the Air Force disclosed a navigation computer that can continuously compute an airplane's speed, drift and distance to destination. It is questionable as to whether the newly unveiled computer will replace the navigator, but I should suspect that it will reduce his workload tremendously.

The Doppler aircraft navigation system is further aided by a north seeking compass which introduces a new concept in the use of gyroscopes. The gyroscope seeks at all times to align itself with the rotation of the earth and actually gives an easterly heading.

So accurate is the system now being built, ARDC says, that after a 1,000 mile flight a plane will arrive within 12 miles of its destination...not bad eh? AFPS

What is all the above leading up to? I'm sure that you've thought of it already. There may be some day when we might not have to study flying training.

SPOKANE WASH. (AFPS)

Orville Wright may be flying jets some day.

Hoping to enter the Air Force Academy and become a jet pilot is A/3C Orville Wright, a second cousin of the man who made the first airplane flight. The latter-day Orville holds a civilian pilot's license, and is a clerk at Geiger Air Force Base.

F-84 PILOT ON ROAD TO FULL RECOVERY

LETTER FROM COL. E.R. JACOBY

The Second Class remembers vividly the F-84F aircraft accident which occurred at Wright Patterson last summer. They will be probably surprised and certainly pleased to hear that the pilot of the plane, Captain Reed, has been assured that he can lead an entirely normal life unhampered by any special schedules or braces.

Captain Reed originally sustained third-degree burns over sixty-five percent of his body. Only prompt movement of Cpt. Reed to Brooke Army Hospital in San Antonio, Texas saved his life. He was under examination by specialists only six hours after his crash. He underwent a series of operations and skin grafts.

Today, only seven months after the crash, Captain Reed's impairments consist of burns on his left hand and a temporary brace for the support of his left ankle.

Captain Reed is fully ambulatory with the aid of a cane. There is no disability to his vital organs or mental processes. There is no trace of disfigurement when he is fully clothed. His life expectancy is normal.

Captain Reed has retained his cheerful nature. His outlook is optimistic. He has indicated nothing but the highest regard for his career as a pilot and an Air Force Officer. He has never shown the slightest trace of bitterness.

He has often reiterated his gratitude to the Class of 1959 for its gift to him.

5th COLUMN BY BURCH

"I acquiesced. I returned." These words muttered by the returning crusaders who had, only a few days before, left their mother nest only to find that the outside does have something to offer, hung in the still air of that Sunday evening. I am sure that many of the returnees felt as if they were myrmecophagous, on a par with an ant-eater and other long snouted creatures. The next morning can best be described as "then came the dawn." Notwithstanding the shock tactics undergone by the doolies that morning, the upper-class could see they had gained by their recent taste of freedom: they were insolent. Back to the grind...Boobies et al. You say some one ran off with your bottle of Vodka and all you have left is an old can of tomato juice...and you couldn't find any aspirin? Or perhaps you were on your way back to the Academy and your plane developed engine trouble and you couldn't get back until just before the lecture started, and you found out you had no survivor benefits because the VA said you were dead? Is that your trouble...Cadet? Well put your head down and slush through the muck! And never give up; never give up;...that chute. Good bye, kiddies, this is your old philosopher speaking: don't worry if some high school lad steals your best girl, just have a happy new year.

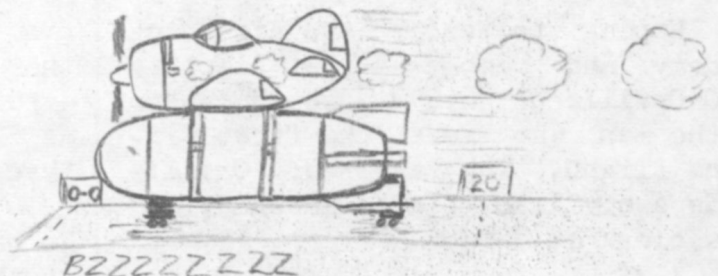
TRUE COURSE — CAREER — GOODRICH

Christmas leave endeth, and the new year, plus a new semester stares us in the face. To many it is the time which promises long months of hard study, and a rather bleak winter with very little to break the deadly monotony. The time has been affectionately, or perhaps not too affectionately, labeled "gloom period" by some rather sadistic soul, and there is no denying that this is what it can be, IF, and only if, we desire to let it be so.

To the Secondclassmen, the time seems to drag until that magical Firstclass year arrives. The Thirdclassmen view the time as just one more agonizing step on the road to June Week. And the lowly Fourthclassmen, no doubt, feel as though they are confronted by an impassable precipice, with only half of the year behind them, and another six months of the same ahead.

All things considered, the task still remains. The barrier is psychological and will prove only as impenetrable as we make it. It is doubtful if any military man, particularly the great of the uniformed world, did not encounter some task or mission which was extreme in its discouragement, and seemed impossible in the effort it called forth. But, they continued on, not losing sight of what lay ahead, and finally reached success.

As moth-eaten as it may sound, duty is an uncompromising thing. It is, however, rewarding to he that fulfills its demands. No matter how the next few months may appear to us, the Duty and its June Week fulfillment still remains. Each man wearing the blue suit with the shoulder boards of a cadet is faced by the duties, harsh and overbearing as they may seem, dictated by his respective position in the Wing. These next few months will without a doubt be trying ones. However, let's not lose sight of what lies beyond when engulfed in the doldrums of "gloom period". I doubt if anyone, least of all a military man, has ever made anything of himself by having the works handed to him on a so-called "silver platter". I wonder if the term "gung ho!" necessarily deserves the rather derisive connotation it sometimes acquires for us all?
DMG



DISC DIGGER

BY REED

High fidelity, a fairly recent boom, has been growing at such a rate that the Ziff-Davis Company has seen fit to bring out a new publication, "HI FI & MUSIC REVIEW," devoted exclusively to high fidelity. It seems to be coming out at an appropos time, since there have been several recent innovations in the field which should be of interest to high-fidelity fans.

One of these is a transistorized hi-fi amplifier which could last indefinitely, completely free from noises, hum, and distracting buzzes...an inexpensive method of making stereo tapes...a new type of speaker which has no cone--instead, it excites the air in a room through ionization... and single-groove stereophonic discs.

The last is probably the most important. With these new recordings, binaural sound is possible from a single LP. Previously, binaural recordings had only been available on tape recordings, and had been quite expensive (\$10-\$12 for a tape of about the same length as a 12" LP). With the new binaural records, which will sell (reportedly) for about the same price as present LPs, stereophonic "presence" will be available to all at a very low price, and will be playable on present equipment, with only minor alterations necessary.

But if you already have the equipment needed and are interested in hearing stereo sound NOW, there are quite a number of tapes already released that can fit your bill. Mercury has released 24 tapes, including things by Sarah Vaughan, Pete Rugolo, Patti Page, Billy Eckstine and Richard Hayman, and others with the music of Borodin, Moussorgsky, Debussy, Gershwin, Berlin, and Bartok. Contemporary Records has 6 on tape, with Shelly Manne's "Music from My Fair Lady," and "Swinging Sounds In Stereo," and music by Art Pepper, Red Norvo, Curtis Counce, and the Lighthouse All-Stars (Music for Lighthousekeeping). Verve has released three albums, with 4 tapes of Ella Fitzgerald's "Rodgers and Hart Song Book, 2 of Stuff Smith,

and one by Buddy Bregman's work. The Verve and Mercury tapes are available stacked, and the Contemporary Tapes are available both (and this sounds more like a drunk blonde than a stereo tape) stacked and staggered.

NEW RELEASES...With the advent of Glahe's "Liechtensteiner Polka," London Records has released a whole album of polka music entitled "Oompah Time In Bavaria." What next? Shelly Manne and his Friends hit it off right with their release of "Modern Jazz Performances of Songs From My Fair Lady," and have started something, apparently. I've spotted similar releases of jazz renditions of songs from musicals, including everyone from the Jazz Messengers to Billy Taylor's trio. The most recent is "Pal Joey: Andre Previn & His Pals (Shelly Manne, Red Mitchell)" on the Contemporary Label. The same label has January releases by Bob Cooper, LeRoy Vinegar, and Victor Feldman. Victor's the most recent jazz phenomenon...discovered in England by Woody Herman, he toured with the Herman Herd for a year or so, and just recently settled down in California. He managed to place 10th in the Down-Beat Jazz poll without having released an American recording! I heard him at Lakeside a year ago...he's good!

Johnny Mathis comes to Denver the 15th...it's his first public appearance tour since his rise to fame with "It's Not For Me To Say." Also with him will be the Hi-Lo's. Oddly enough, the song ("Not For Me") is doing better business (900,000 discs, gross of \$800,000) than the movie that it was taken from (Lizzie, gross \$700,000)!!

A Hollywood Wonder! Famous xylophonist Red Norvo has been cast in the motion picture "Screaming Mimi." And he's going to play the part of famous xylophonist Red Norvo. Suddenly, Hollywood seems intent on realism! P.S. The same movie finds Anita Ekberg cast as a strip tease artist in a night club operated by Gypsy Rose Lee. What a recommendation...

CYNICS' CORNER

BY SADLER

The department of levers, shafts, rotating screws....closed out the past year with a glorious bang of deficiencies on Saturday morning. Such gifts serve well to brighten up ones motivation toward the acquisition of Christmas spirit. The New Year's gift that we got on return was the classic example of having ones head butted against the wall so that it would feel better when they stop.

The low grade that I got in EE to brighten things up didn't help either.

First thing that caught my eye on the water survival accomplishment sheet was "double-drowning". This sheet should be called the miracle sheet.

There is a story floating around about the cadet returning here to heaven on a hop. Seems he was "navigating", and by map no less when the pilot decides that said young Magellan is lost and wheels the old bird around. They got back on course some twenty minutes later.

We could carry F-100 pitot tubes in place of our outmoded M-1s or better yet eliminate the need for the ceremonial piece through the elimination of all parades.

There will be a strike promotion group meeting soon for the purpose of touching off a major labor dispute lest we should have to give up Denver for the mire of Colorado Springs. Perhaps we will get to wear brown shoes so the mud won't show so much.

Proposal: Instead of those very flashy crests put up by the DOFT why not a Falcon screaming down in a dive with two purple barbed shafts, one in each claw.



My roomie has the cutest little pussy cat that sits around and makes eyes at all.

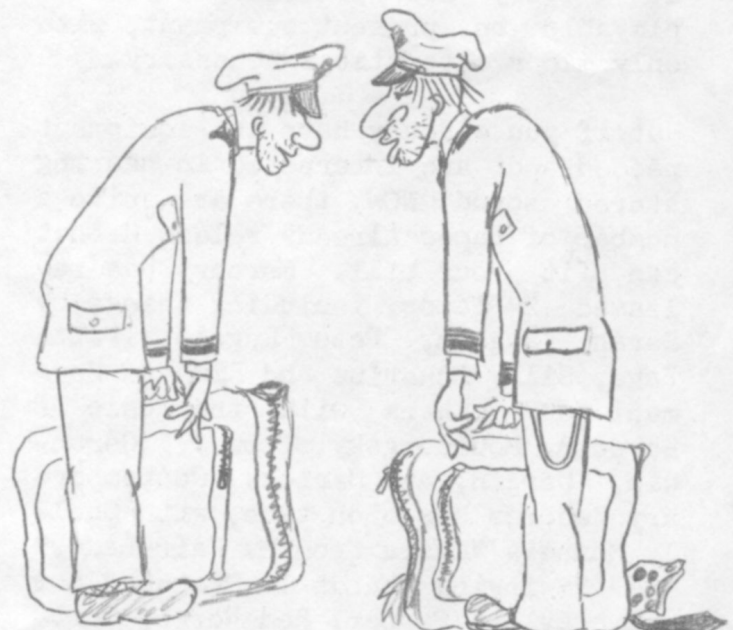
I am still crawling around in decadence after the last phase with the English Department.

What are we going to do for excitement now that the football season is over?

As long as there are going to be some T-33 navigation missions and there are rumors that the Second Class will get them too, wonder if we might arrange them so that pilots who want to go cross country would leave on Sat., taking a cadet to some distant playground like LA, where he could take one of the spring semester weekends?

Time magazine certainly deserves some sort of award for the sparkling courage that they gave that great singer, who is soon to put his diversified talents at the disposal of the Dept. of Defense. His Christmas album seems to have been his biggest yet having been condemned by nearly all that have heard it.

Would a catamaran unit such as two motor scooters be called a car, scooter, or would a new reg have to be added. There is a story that I must relate someday about a reg concerning a new form that was to come out. Seems that neither came out before the other.



YEH... YOU ENJOY YOURS? Reeves

SPORTS

FALCON FILINGS

by Hines

Six of the eight Academy winter varsity teams will plunge into action this week against some of the Falcons' strongest opponents. After two weeks of vacation, a return to pre-Christmas form is a steep order, but the varsity coaches were busily whipping the teams back into shape this week.

After a breather against Adams State on Wednesday, the basketball team takes on highly-regarded Loyola of Chicago Saturday. Although the visitors have a 2-5 record, they can hardly be regarded as weak. The Ramblers are number eight in the nation in field goal marksmanship with a 44.9 average and have four starters scoring in double figures. With the return of co-captain Jim DeWulf, a 6-4 forward, Loyola might send five double-figure scorers against the Falcons. The Ramblers boast wins over Notre Dame and Nebraska. Their losses to Notre Dame, Kentucky, Drake and Marquette can hardly detract from the visitors' prestige.

The Academy (with a 6-2 record on Tuesday) has the best slate in the Eastern Rockies. Captain Bob Beckel is averaging 19.1 points a game, followed closely by Bob Williams with 16 and Don Wolfswinkel with 13.5. Williams is tops in rebounds with 66, and Wolfswinkel leads in shooting with 47.4 from the floor and 72 percent from the free throw line.

The fencing team opens its season in Urbana, Illinois, against two of the Middle West's toughest teams. The Falcons meet Illinois and Notre Dame in a triangular meet. Illinois, second in the Big Ten in 1957, has won seven Big Ten championships and has four returning lettermen, including foilsman Art Schankin, an All-American and undefeated 1957 Big Ten foil champion. Notre Dame is one of the nation's strongest independent teams and defeated Illinois last season. The Falcons will send seven lettermen and five third-classmen against the Mid-West schools.

The wrestling team will open a 12-game meet slate by tangling with Colorado State University on home ground. Coach Karl Kitt will mastermind the matmen through his first meet as Academy mentor after ten years at Navy. The Falcons have the nucleus of a promising squad, especially in the upper and middle weight divisions. However, the team lacks depth in the lower weight brackets.

Lt. Robert Sullivan, gymnastics coach, will be without the service of the injured all-around performer Ken Smith, and of Hank Canterbury, top trampoline ace, when the Academy opens against Iowa. A Falcon win would have to be considered an upset, as Iowa is the perennial Big Ten runnerup behind Illinois, who have won the title eight times in a row. With lettermen in every division, AFA rates a chance, but fourth classmen will have to lend a substantial helping hand.

In swimming, the Falcons had several individual stars last year, but lacked depth to win the close dual meets. The Wyoming relays before the holidays were an indication that the Falcons may have this depth this year. Although still thin in spots, Coach M.M. Mackenzie feels that the outlook is bright, with the veterans showing great improvement and at least a handful of fourth classmen on hand to fill in some of the gaps.

M/Sgt. Charles Boley expects the rifle team to have little trouble with the Colorado University AFROTC and NROTC teams. The Cadets were undefeated in dual competition last year and are expected to retain their regional title.



INTERCOLLEGIATE ATHLETICS

This week:

- BASKETBALL--USAFA vs Loyola of Chicago at Denver Auditorium
Saturday, January 11 at 1915
- WRESTLING--USAFA vs. Colorado State University at AFA
Friday, January 10 at 1500
- GYMNASTICS--USAFA vs. University of Iowa at AFA
Saturday, January 11 at 1500
- RIFLE--USAFA vs. Colorado University AFROTC and NROTC at Lowry #1
Saturday, January 11 at 1300
- FENCING--USAFA vs. Illinois and Notre Dame at Urbana, Illinois
Saturday, January 11 at 1430
- SWIMMING--USAFA vs. Colorado University at Boulder
Saturday, January 11 at 1400

Next week:

- BASKETBALL--USAFA vs. Eastern New Mexico at Lowry Gym
Thursday, January 16 at 1545
- USAFA vs. Washington (St. Louis) at Denver Auditorium
Saturday, January 18 at 1915
- WRESTLING--USAFA vs. Denver University at AFA
Wednesday, January 15 at 1500
- USAFA vs. Northeastern JC at Sterling, Colorado
Saturday, January 18 at 1400
- GYMNASTICS--USAFA vs. Denver University at AFA
Friday, January 17 at 2000
- FENCING--USAFA vs. Wisconsin University at AFA
Saturday, January 18 at 1400
- SEIMMING--USAFA vs. Denver University at AFA
Saturday, January 18 at 1400

EDITOR'S COMMENTS

We had to really scratch to get this issue out. Seems as most of the troops were a little discouraged when they got back. They didn't feel much like writing. All except me, that is. I'm glad to get back to the old grind. You know how it is...sitting at home with nothing to do but sleep...watch TV...take your girl out...neck...have a few drinks...see all your buddies...say hello to the folks...stay out late...just generally have a good time. In no time at all, a man gets sick of these things and pines to be back at his more leisurely occupation...early to bed...too damn early to rise...classes all day and homework all night...plenty of good healthy exercise...no girls to distract you...fresh Mennen Aftershave to wash down your breakfast with...the green beauty of the Colorado landscape. What more could a man ask? And yet, we do have something more...no matter who we are...if we're upperclassmen, we have the keen admiration and faithful respect of our little friends, the 4th class...if we're fourth classmen we have the loving and tender care of our wonderful big brothers...the upper class. With all these things to brighten the future I feel that Dave Goodrich must surely be pessimistic in warning us of a threatening gloom period. See you around. Ed.