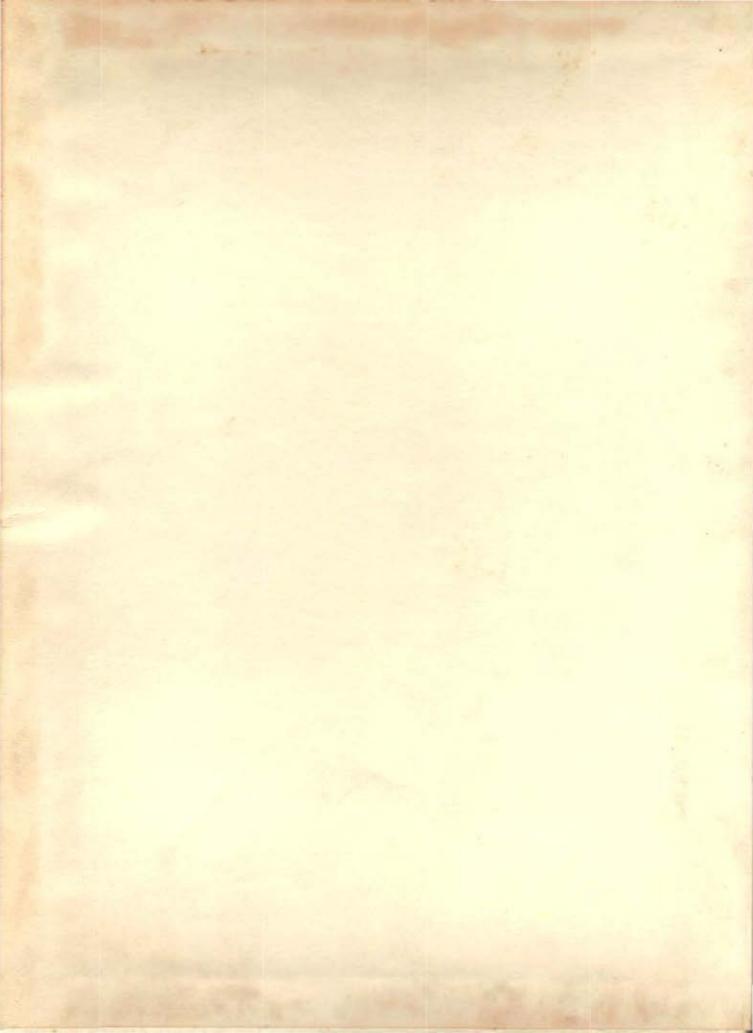
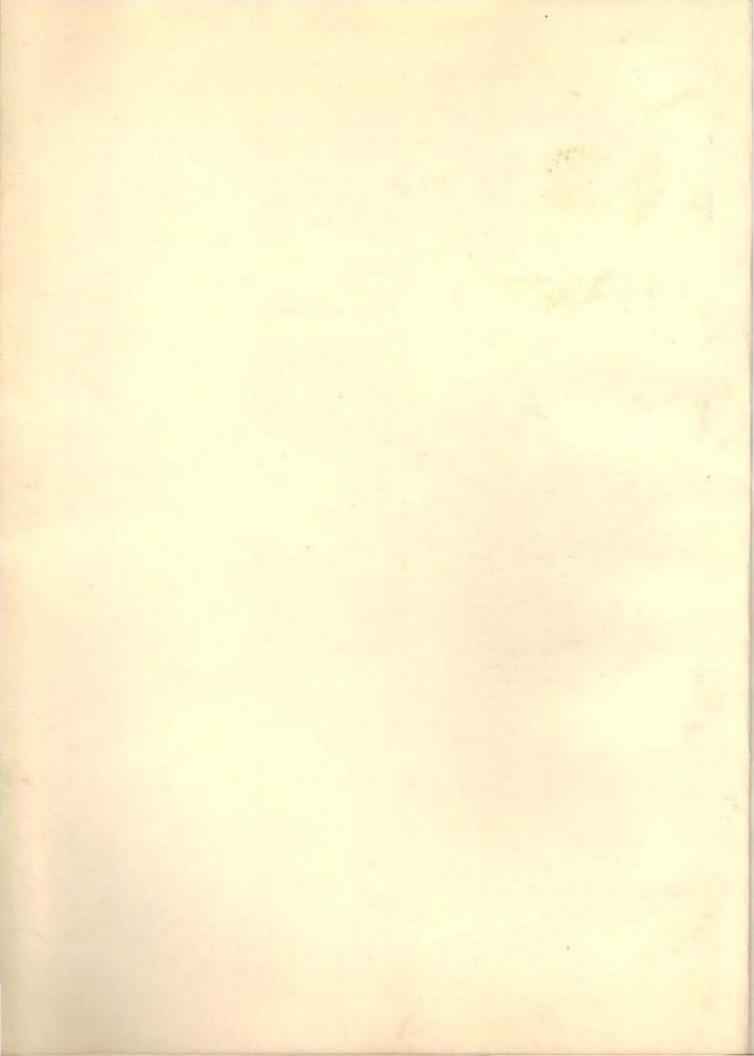
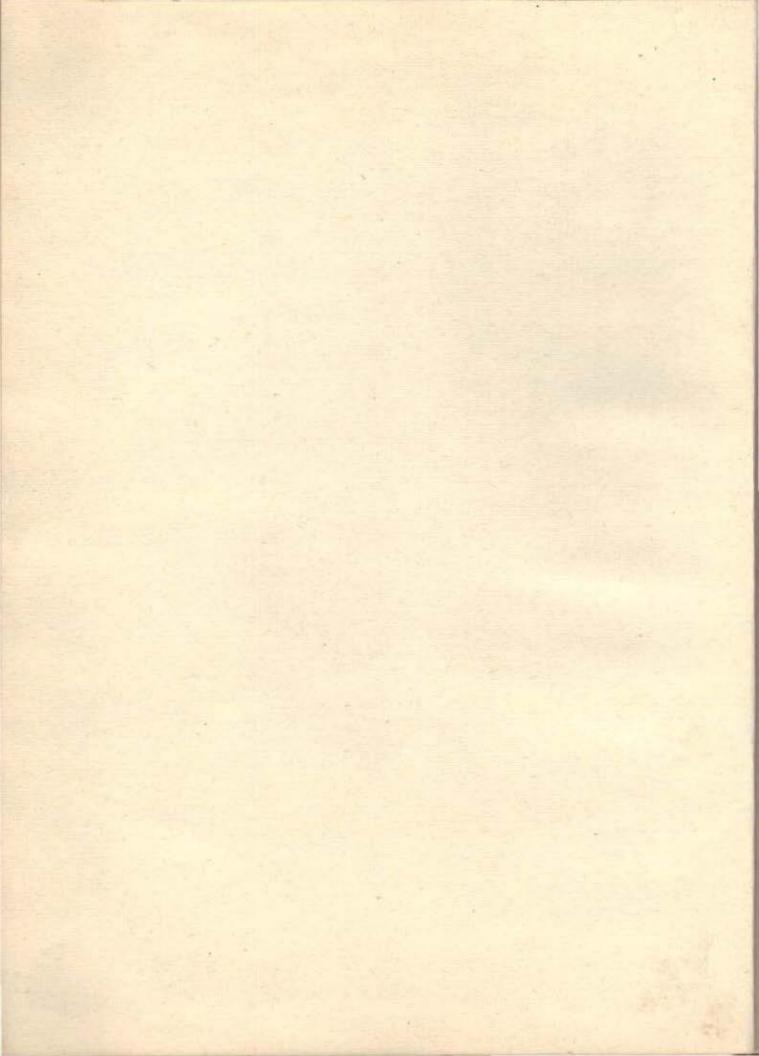
BOMBS AWAY

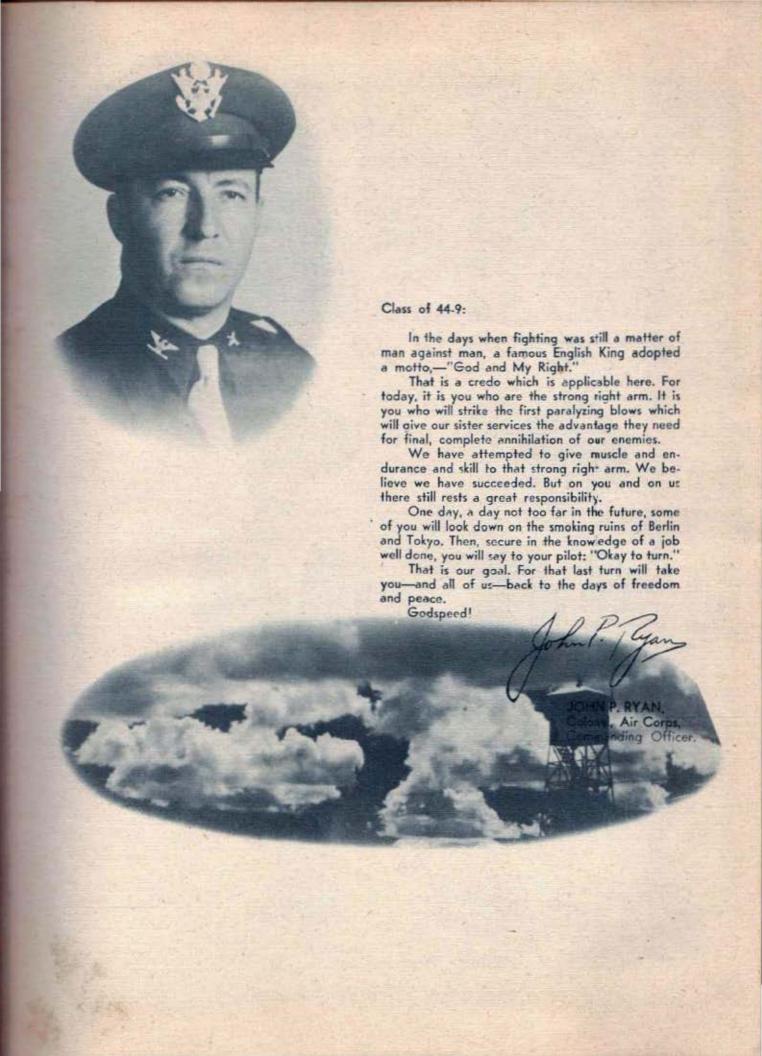






CARLSBAD ARMY AIR FIELD, CARLSBAD, NEW MEXICO, CLASS 44-9







MAJOR J. P. McCRORY Deputy for Training and Operations



MAJOR L. L. ROSENHIEMER Director of Flying

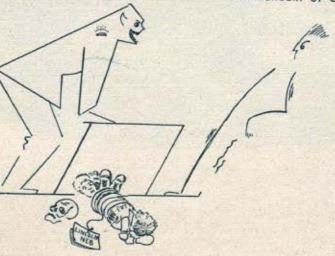


MAJOR D. D. McCALI Director of Training and Bombardment



MAJOR WILBUR W. WEED Commandant of Cadets

XX



ADMINISTRATION



Chief Instructor Navigation



LT. JAMES A. BRIGHAM + MAJOR HERMAN R. GN Director of Ground Schor



LT. GLUCK Treasurer



LT. JOHN J. COSTELLO School Secretary



LT. RALPH F. IVES, JI Adjutant

Ground School

N Air Crew training, perhaps only the Navigator—is more dependent on what he learns in ground school than the Bombardier. Our ground school has been tough and intensive, but every course we have taken is vital to some aspect of our future work as a Bombardier-Officer in the Air Corps.

OR this reason, no single course can be said to be "the most important course of our ground training," when we look at things over the whole range of our future. But the courses which first commanded our absorbed interest were those which deal directly with the bombsight and bombing. In these we learned, more quickly and thoroughly than we thought we were capable of, all the functions of the various parts of the bombsight. And we learned, which is perhaps even more important, how to recognize and correct if necessary,—malfunctions in the bombsight.

WE learned very rapidly things which could be learned only after a long trial-and-error period up in the air—the effects of the varying conditions of flight on our accuracy. Having learned our lessons, we found we could glance at our crosshairs, bubbles, airspeed indicator and altimeter, predict where our bomb would hit, and make any necessary corrections in our synchronication, thus helping us to drop much better bombs.

OF the courses in Navigation which we took up, most of our ground school time during the last half of our training period here, it can be said that their importance is huge, especially when one wants to (1) find targets, and (2) return from same. The words, told us a thousand times, are still true: our life span is dependent very largely on our skill as a Dead Reckoning Navigator.

OUR other courses, although they were shorter, are nevertheless necessary to us. The hours we spent over objective folders will help us to orient ourselves that much more quickly to the details of the briefing room. Without Shacks and Rackles we could never perform our duties as armament officer of our crews. We found that our aircraft rec was (I said "At Ease") not as strong as we thought.

ASTLY (but not leastly) in our mention here is our study of the C-I Autopilot, which next to the Bombsight is the most amazing example of American ingenuity that many of us has seen. Although the Autopilot is a complex mechanism, its functions are clear-out and its operation, as presented to us, is readily grasped. Again, good knowledge of it is highly valuable to us, since we shall have to teach our pilots its utility and give them as much confidence in it as we ourselves have gained after constant work with it.

been very long and very exacting, but we now feel that none of our time was wasted. As much as we have already learned, there is much more we do not know about our profession. But that will come in ground school—at our O.T.U's and OVERSEAS.







+RAINER

The complexity of the Nordes bombsight is comparable with that of the human body. For some people the bombsicht has a character of its own; and for a certain tyro bombardier the bombsight has proven to have life and personality. And the story that led to his reaching this concusion is wonderful, indeed.

IS story starts with an accident which harrified him at first. Two delicate bembsights were smashed together on the floor of the trainer building—a ruiner' treasure of labor, brains, and money. But when he talked it over with Henry, his bombsight, he was straightened out on the situation. Henry sighed, all dreamylensed, and began this story:

HEY'RE together. That's Max and Genevieve down there. Been sweet on each other for months."

wes in the maintenance waifing room when they first met. Max had an appointment for his fifty-hour physical, and my bubbles were precessing badly, as they always do comes springtime.

AX has been around for some time, but Genevieve had just graduated up at Remington Rand. She flounced in that morning all sparkling chrome and crackle, and everyone stared, especially Max. He's only three hundred hours, but even an old-timer like me felt a surge of pre-set trail in my rate end.

kid fresh from the factory has to make a good impression. Genevieve resitated two steps from the door, looking about and giving her newly-machined beauty a chance to take effect on us—and it did.

HE maintenance room is two flights up and she was breathing deeply. Her finalisatured directional panel, framed in black enamel, glowed a healthy flourescent and her optics sparkled. Slowly rising and faling, her wall-rounded leveling knobs were both sweet and voluptuous. Our optics followed the lovely lines down—lingering at her curved index scale, and passing on through the tapered length of her sight stem. When the audience was completely controlled, Genevieve turned on her terque motor and paraded to the reception desk, giving all the male sights opportunity to synctronize on her evasive action.

"THEN this fascinator sat dawn opposite Max, crossing her connecting rod so he could get a glimpse of her itolatec sector. Genevieve picked up a back issue of the NATIONAL GYROGRAPHIC and tited her optics slowly upward and looked at Nax.... It was love at first sight, OR several weeks then Max and Genevieve had a glorious time, coing on long precession runs together in the country. They found they both knew a stabilizer who lived in Elmira. Both enjoyed reading good syllabi, their mutual favorite being the lighter INSTRUMENT CALIDRATION, by E. E. K. and R. W. K. Their relations were reaching the vine-covered A. T.-11' stage when S.O. 202 par .476 ordered them back to work.

AX was installed over there on trainer 39, and Jenny was across the way on 40. Don't you see? On opposite sides of the building, they never saw one arother except when someone put in extended visco.

tragedy in their young love—even heart-breaking to us who had to stand by and watch. In the way of all women, Geneveve bore up rather well. His grief at first bravely disguised, Max gradually went to pieces with erratic disc speeds and his ATF's falling off too rapidly. One night he cracked completely and went off on a tangent. After thirty-one shots of carbon tot, the maintenance men finally quieted him down. He was in sad shape-his gyro was tumbled and he was shorting 'Put me on with the outside knob!'

HE situation was hopeless until this morning. Trainers 39 and 40 started their runs as usual, and there in the center—only one bug! Both sights synchronized on the target. With their crosshairs on the same spot it was like a kiss to the two lovers. They drew closer and closer, their indices leaping higher and higher.

Before the current could be shut off they had crashed. The high trainers weaved and shivered cratily, and then the sights toppled to the cement together. And you know the rest; there they are together."

HE Cadet turned from Henry and looked down again at the now exotic little heap of meshed gears and twisted cables. The exposed gyros were still spinning rapidly, the mess still quivered. Then a badly bent tension spring twanged into the air, its hummed vibration first rising and then felling off to nothingness—dead still, with the finality of complete satisfaction.



. FLIGHT LINE

1530—"Jeez, if this wind doesn't die down we may not fly, please God."

"Well, we have to drop them sooner or later, so it might as well be now."
-"Fall out for flight line!"
-"All right, youse guys, stop milling

around! Flight tench-hut! Left hace! Fowuhd, harch!"

1558-"Flight halt! Left hace! Sir, G Flight reports to the flight line all present. Cadet Hyde has been reverted."

"Prepare your men for inspection."

"Open ranks harch! Ready front."

"When did you shave last, mister?"

"This morning, Sir."

"Flight leader, gig this man so he'll remember that we gut blades in our razors around here. You, mister, is that a so-called shoe shine?"

"Sorry, Sir, I seem to have fallen asleep after peetee."

"Fall out!"

1616-"Boy, what an inspection! Ed has eight gigs so far this week and it's only Mond. Year e missions good.

'Yes, but-but let's stop the noise and get the data down. Lessee, now, alti-

meter setting is . .

"Oh, my aching back, I'm in one ninetyseven again, and it has no autopilot. .! Why does this always have to happen to me? At least we have Reddle for our pilot. There's a guy who can REALLY hold a level."

1630-"Gimmee yer chute and pick up the camera. I'll go see how the bubbles are

treating us today."

"The sight will be okay, if it's the same one that was in there yesterday, except the two-pound spring is fatigued, so either call malfunction now or be prepared for a very delicate callbration iob."



"I'll see what gives, and don't worry about it."

"Are you men ready to take off?"

"In just a moment, Sir."

"Well, hurry it up; I haven't eaten for ten hours and am slowly starving to death."

1710-"You're on course, mister."

"On course, Sir." "Level, please, Sir."

2200—"Well, another day, another two and one-half dollars not including rations, quarters, and free medical care for your wife if she is living in town. Men of seventeen! ! Manadge! I'm so thed my mind, such as it is, is wandering. Hey, Phil, did you get all my pictures? I need the hits badly."

"Never fear, son, Daddy always comes through. How was the seeing eye of the statistics department working for

you?"

I-uh-seem to have missed two of your pictures. Some darried fool almost killed us on that third approach. Oh, well Kamera Klub saves me from borrowing another fin from you, which makes both of us happy-especially you, you miser!

"A fine way to talk to a guy to whom you owe your very soul, lot alone

reputation as a gentleman"

"Let's not get crypted

"Say, how about huh?"

"Yes, for a white un actually were a bombe chucking, really."

Well, men, are the 12-C's filled out yet? Good. Now look, Davis, is that the way I taught you to take a level? On the mission report I wrote all sorts of nasty things about your procedure. When you click the pilot, the first thing to do is to center . . .

BIVOUAC















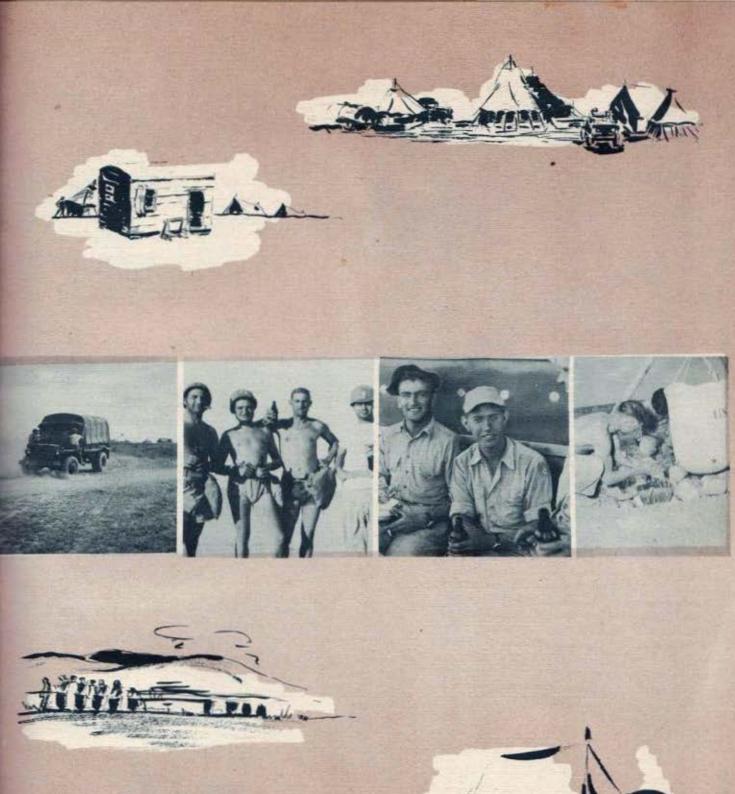




















Bivouac

We hiked the 8 miles to the Bivouac area—such a simple sentence and so innocent in appearance. I'll quote Webster for a moment to put a little meaning into it and you can go on from there. "HIKE (hik)—to march laboriously (in the peaceful sun...temperature 1200)

BIV'OU-AC — An encampment for a very short sojourn, under improvised shelter or none.

(mostly none)"

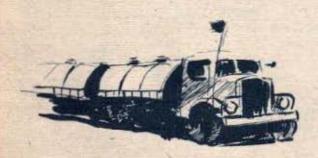
New Mexico! Land of Enchantment! We were further enchanted by the scenery, (of course it had been flattened in some early generation but it was ours to enjoy). Then there were the gentle breezes (40 mph) that distributed most of the landscape through everything and which almost filled our modern (?) sunken latrines. I wish they'd let the pups keep the tents—yes, they are airey and do protect one from the sun (much in the manner of an oven).

Of course it was to be understood that this was to be an enactment of battle conditions and I think we all felt as tho little was left that might destroy this feeling.

We bombed RR centers disguised as 100 ft. circles with demolition bombs—(they left a lovely hole!) and a few actually bombed roads and other miscelleanous property (worth little or nothing anyway!) We calibrated instruments from low levels and high speeds and completed what was to be done in the shortest time possible.

The food was good and the beer refreshing.—We were entertained by the Special Service troupe and we in turn entertained them with a gas attack, which no one enjoyed. It was a trip to be remembered by all, enjoyed by

some and missed by none.





BIVOUAC



For six months we have been in almost daily contact with the personality of our tactical officer Lieutenant Grindley. Throughout this time he has consistently treated all of his men with a fairness that was appreciated at all times. It is seldom indeed that one meets a man who can subject himself to a routine that can be killingly boring and keep his cense of values. Lieutenant Grindley is of this sort. His moderation and his utter justness has earned a respect that will not easily be overthrown or soon forgotten. We of 44-9 take this opportunity to formally thank you, Sir, for all that you have done for us.

Instructors



Lt. J. E. ALLASS



Lr. R. L. Bustian



Lt. CRULES W. BEICETT



Lt. E. A. Binaio



Ly. JOHN W. BETHEL



LT. R. E. BLAND



LT. A. B. BLANCHARD



Lt. R. S. BLOSSON



Lt. S. E. BROMAN



Lt. R. P. CHANCKERS



Lt. R. F. CHLOUPER



Lt. E. A. Cooper



LT. I. L. CONNALL



Lt. R. N. Correnta



Le. M. Z. Cox



RUSSELL DWYEN



Lr. F. P. DOUGHENTY



Lt. R. E. DOWDEN



Lr. J. F. Dovin



Lv. R. Dicement



Lt. B. W. Excesos



Lr. L. W. Feigenson



LT. VERHARD PITTUENALS LT. N. W. TRAZIN





LT. B. F. GABLE



Lt. H. C. Gauttes



LT. GOLDSENS



Lt. C. D. HARMAN









Le. J. M. JACKSON



F/O J. W. honos



MAJOR W. V. TONOS



F/O O. C. HOLT, Sa.

Lt. Bosmy Hoop

LT. PRED HORSKORL







F/O R. E. SHIPILY



LT. GEO. W. SHIAFFOS



I. J. R. SMITH



Lt. H. M. SPENCER



Lr. SPETH



LT. C. S. STULGAITIS



Lt. E. Young

Pilots



FLIGHT A



FLIGHT B



FLIGHT C



FLIGHT D



FLIGHT E



FLIGHT F

Pilots



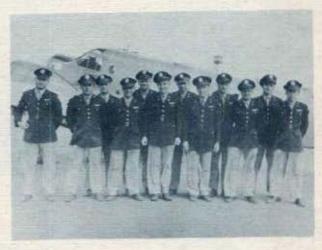
FLIGHT G



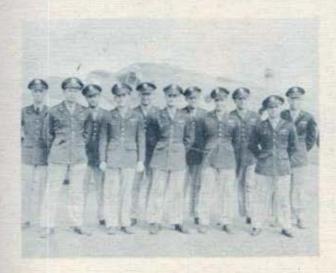
FLIGHT H



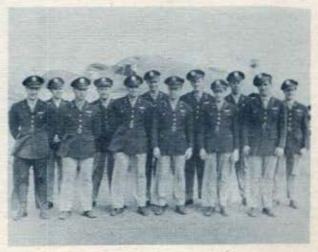
FLIGHT I



FLIGHT J



FLIGHT K



FLIGHT L

could have had no better cooperators. We can pay no greater tribute . . . good Joes, swell pilots and fine officers



CHARLES R. ABBOT



TED O. BADGER



GEO. L. BANSTETTER



HENRY L. BARTNOWSKI



ROBERT J. BIRD



ALVIN BROWDER



FREDERICK L. BRUSHNER



CHARLES E. COOPER



PATRICK J. COSTELLO



FRED B. CREEL



LIBERO T. DEAMICIS



HAROLD A. DOERR



LEO J. DYMERSKI



SAM ELHAI



MARTIN J. ELLERSTEIN



HAROLD F. ELLIOT





CHARLES H. EVANS



ROBERT FEINBEEG



RUSSELL C. FINN



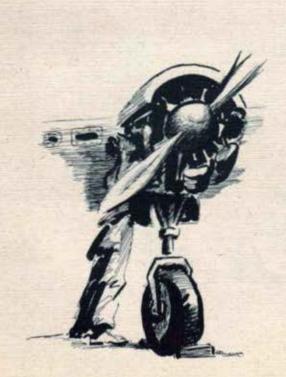
WILLIAM N. FITZSIMMONS



FRANK J. FLAGELLA



FRANCIS J. FLAHERTY



JOHN S FOODY





LARRY FRIEDMAN



RUSSELL W. FRITZSINGER



JAMES J. GARRAHAN



JESSE H. GARRISON



SEYMOUR GELLER



RICHARD E. GHARST



JOSEPH T. GOUGH



JOSEPH A. GRADY



WILLIAM L. GRAHAM



JAMES P. GRANT



CHARLES A. GRAY, JR.



SHELDON GREENBERG



RAY H. GROFF



JOSEPH C. GRUERRIERI



NINO L. GUICIARDI



EDWARD J. HACKETT



WAYNE HAGMAN



JOHN B. HAHN, JR.



W. D. HAMMOCK



ANDREW P. HARBELIS



RALPH W. HARBERT



STEPHEN C. HARWARD



THOMAS F. HASTINGS



VAUGHN D. HEIDENREICH



MAXWELL P. HEILBRON



MESSAGE CENTER



WALTER B. HELLAWELL



FRED A. HELWIG



THOMAS F. HERZOG



EARL W. HEUER



RICHARD D. HODGE



JOSEPH HORGAN



GEORGE S. HRUSKA



EDWARD J. HUNDT



JAMES R. HURLEY



CHARLES W. IBEY



ROBERT ISCOVICE



PARKS M. KING, Jr.



EDWARD C. KLYSZEWSKI



MARTIN A. KOLUCH



STEPHEN KONEK



JOSEPH MARTIN KOSTEK



BENJAMIN KRAMER



HAROLD KRAUTHAMER



MORRIS KREGSTEIN



ROBERT J. KREMER



LINTON A. KUCHLER



ARTHUR L. LARSON, JR.



JOSEPH M. LEAK



FRANK H. LEE



WILLIAM LESSER, II



JOEL LESTER



CHRISTOPHER LINDSLEY, JR.



JAMES R. LISTER



EARL W. LUMPKIN



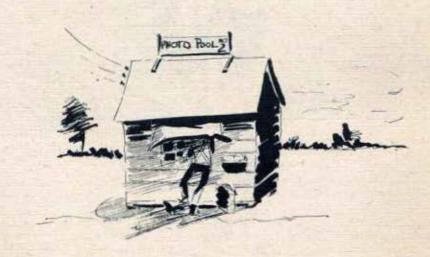
RUSSELL G. LUNDSTROM



JOHN P. MANEY



JUDSON E. MARSHALL





EUGENE H. MARTENS



PETER MASONIS



ALBERT F. MATTHEWS



LUCIUS O. MCCLAMROCK



HARRY G. McMahon



IRVING MENDLSSOHN



THOMAS L. MENDENHALL



DONALD A. MILLER



MACK T. MILLER



WARREN E. MORRISON



HENRY G. MOSS



JOHN R. Moss



GERALD MYERS



ROY NIEMEYER



ROBERT L. NORCROSS



ROBERT A. NUFFER



GEORGE E. NULL



HARRY W. OAKES



CARL R. OLSON



HERBERT D. OLSON



EDWARD J. ONDRASIK



Louis J. Orsi



WILLARD J. OVERLOCK



SALVATORE PARISI



HAROLD W. PASSOW



HOWARD L. PAUL



LUTHER R. PAULSON



EDGAR W. PEARSON



KENNETH G. PERRY



RUDOLPH A. PERRY



JEROME E. PFALLER



GEORGE A. PHILIPS, JR.



RX.



WILLIAM K. PHILLIS



ROBERT H. PICCOLO



WILLIAM C. PIGFORD





RICHARD W. PLACE CLEMENT PLASKIEWICZ



W. C. POTTS



FRANCIS A. PRIOR



Max J. Ramm



HAROLD RESNICK



ROBERT R. RESOR



JOSEPH MURREY RICHARDS



JAMES F. RIDLEY, JR.



RALPH R. RINALDI



COIT M. ROBINSON, JR.



WALTER S. ROBITZKI



RALPH E. ROSENBERG



JOSEPH H. ROSENSTOCK



JOHN ROSIALA, JR.



ROBERT C. ROSSER



MEYER ROTHCHILD



SHELDON L. ROTHSTEIN



RICHARD B. RUMSEY



HENRY E. RUPPERTSBERGER



PATRICK A. RYAN, Jr.



HERMAN H. RYMER



RICHARD W. SAAKE



STEPHEN J. SABATINO



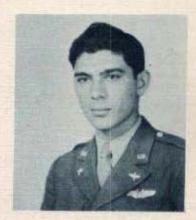
ROBERT B. SADEK



DANIEL A. SALMON



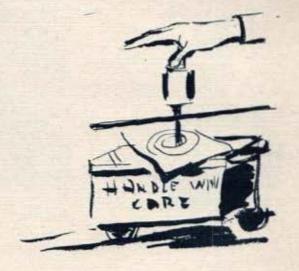
GILBERT SALK



HENRY V. SCHONBERGER



LEWIS M. SALVIN





ELMER SCHRAMM



ALBIN R. SEILIUS



HERBERT SHAPIRO





JOHN J. SHIRK



LESTER A. SHAPIRO



MURRAY S. SILIN



FRANK W. SMITH, JR.



THEODORE W. STATHIS



HERBERT S. STOLTZ



EDWIN P. TENGGREN



CHARLES E. THENEBE



JOHN M. THOMAS



CHARLES F. VORDA



PHILIP S. WALTER



LE PREVL

IRVING WEINBERG



ARTHUR J. B. WEISS



ALEXANDER WINSDOR



ALBERT E. YELLAND

Student Officers



LT. LEO FRIEDMAN



LT. M. U. FOSTER



LT. PIERYINSKI



LT. SANTELLI



LT. GENAY





Welcome to Carlsbad



SIME ENTRANCE-COURT MOUSE





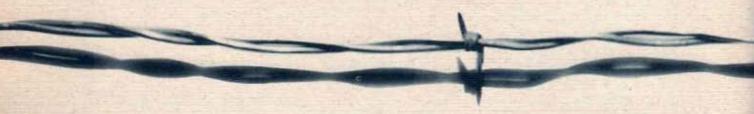






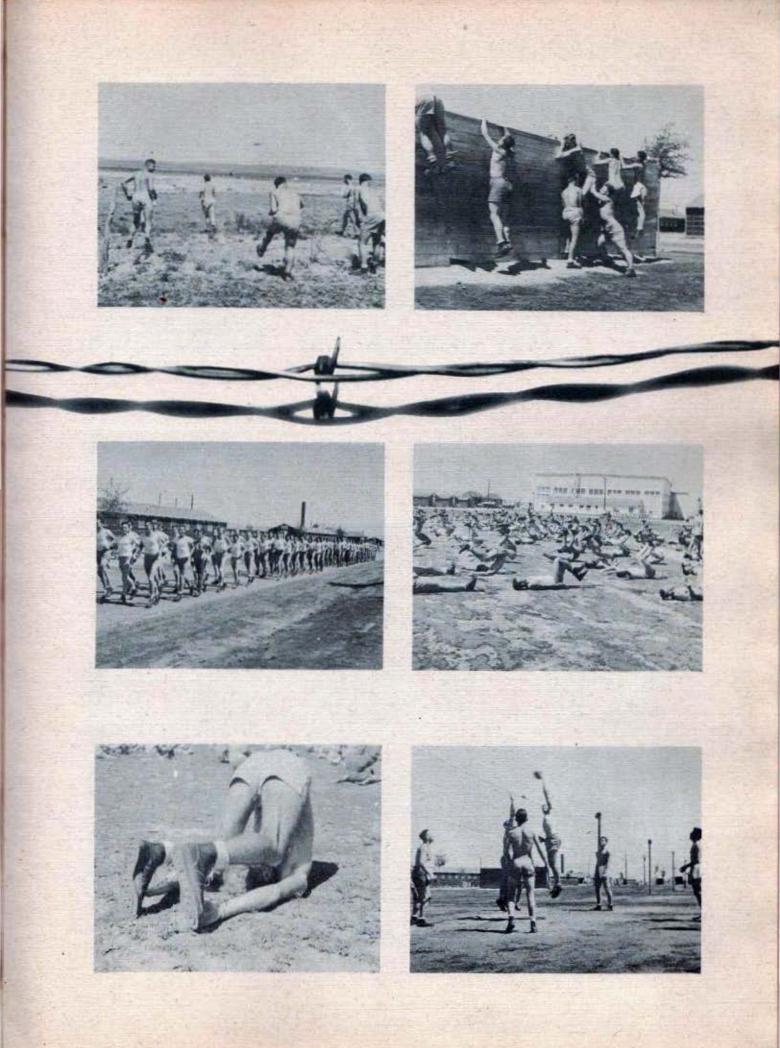


LT. JAMES W. JACKSON P. T. Director



7HE physical training department at Carlsbad has given us one of the most wellrounded programs that we have come in contact with as Cadets. After the maddeningly monotonous shuffling at Tyndall Field, the program of games and the rest were actually a joy. There was, of course, the usual amount of gripes from the slobs who jumped the fences and did not do all their situps, but the measure of the program is not the amount of griping but the actual physical improvement of the Cadets here. We feel that our peetee has given us the mental alertness that vanishes when the body languishes. It has toned our frequently exhausted muscles; and any system of training which accomplishes this has justified itself. The days when we exercised, ran around the soccer fields, did chins, and then loafed around for nine minutes on the volleybal courts were, however, far from being a pleasure. But taken as a whole more good can be said for peetee than bad.



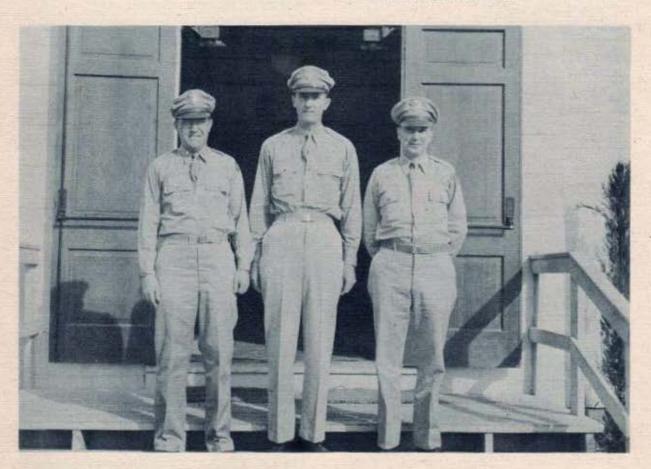




POST CHAPEL

"... Behold, now is the accepted time; now is the day of salvation." It was not someday or sometime, but "now" in that time of long ago when these words were written. Man lives not in some distant future, nor in some fairy land of make believe. His concern must be with the "now" of his life. The future lies in the hands of those who are willing to make any sacrifice that the "day" will be theirs. Men of 44-9, this is your accepted time—now is your day of salvation.

CHAPLAIN MOELLER



Flight Surgeon--Sick Call--Dental Call

















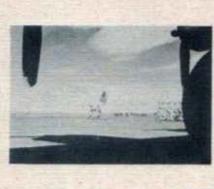
CADET MESS

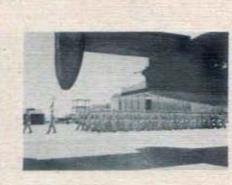






















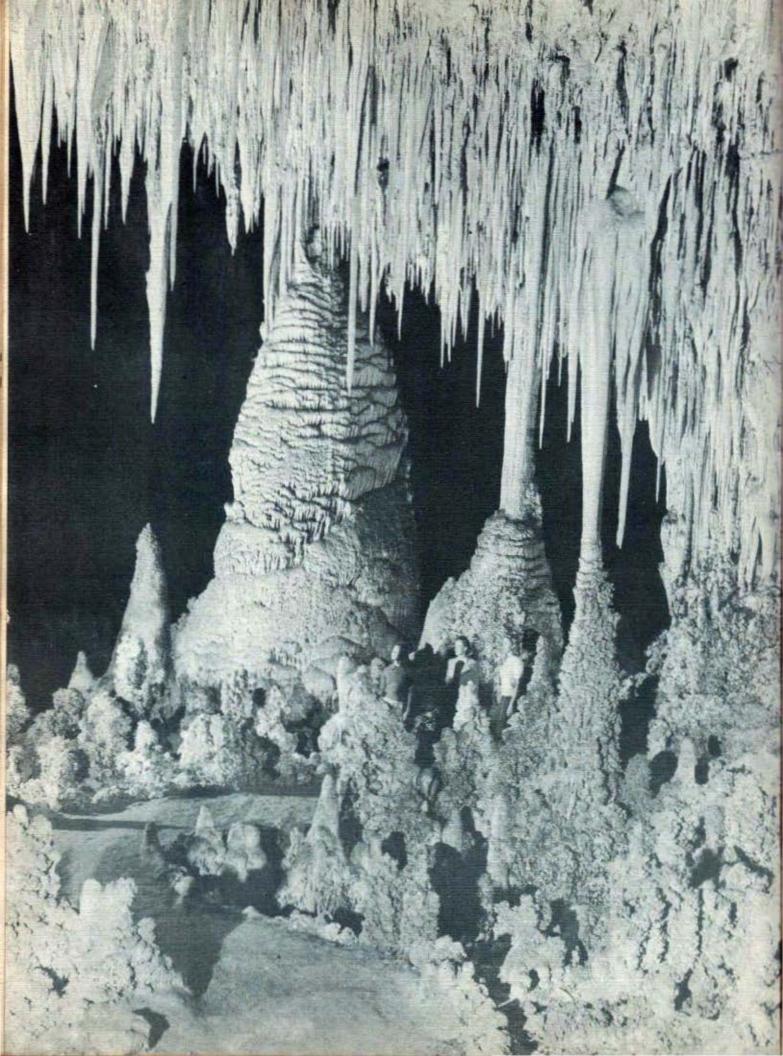












Flight Line







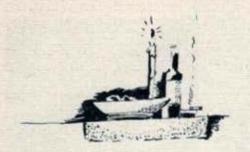












Cadet Club



























LIST OF DELINQUENCIES, SQD. "4", CLASS 44-9

FOR July 1

19 44



NAME	D.	DELINQUENCY	REPORTING OFFICER	INITIALS
Weiss, A. J. B.	н	Failure to salute Walter	A/C Walter	4/8.
Thenebe, C.E.	2	Out of uniform (head missing)	Lt. Grindley	CET.
Lesser, W (the second)	1	Excessive brutality toward men	и п	W.Z.
Ficcolo, R.H.	H	Refused to eat in mess hall	u n	R. 21.0.
Schonberger, H.	1. 4	Making noises unbecoming a cadet	Lt. Ellis	N.V. 8
It. Foster, M.	A, M. T.	Out of uniform, i.e., wearing playsuit to P.T.	Lt. Jacksen	m.F.
Hruska, George	10	Throwing stones at Mess Officer	The Mess Officer	19. H
Fundt, E.J.	10		и и и	892
Flagella, F.J.	1	Taking tray from mess hall [unint.) " " "	293
*lbey, Charles	il.	Beating pilot about head and body	Lt. Ivery	£0.0.
Orsi, L.J.	5	Conduct unbecoming an av. cadet	Lt. Winslow, Ruth	O.J
Lindsley, C.	3	Damaging government property	Lt. Foreman	C. C.
Walter, P.S.	5	Bringing wife and baby to camera class	Sgt. Fester	RSW
Parisi, S. (7)	н	Falling out of plane	Lt. Scewc reft	S.P.
Badger, T.O.	2	Using abusive language to mail cl	rk Lt. Ives	-1018
Elhai, S.	2	1 1 1 1 1 1	1 1 1	20
Gerrahan, J.	5	Biting cadet officer	A/C Fritzinger	d. 6.

D.-Demerits; A. M. T.-Additional Military Training; P. T.-Punishment Tours; R.-Removed; H.-Held Awaiting Disposition.

Aviation Cadets whose names are preceded with an asterisk (*) will submit written explanation of that report by 0800, next day. All Aviation Cadets listed hereon will initial opposite each report to indicate cognizance thereof.

CAAF 8-19-43 Form No. 1.

Bombardier's Syllabus



CAGED GYRO



EXTENDED VISION



COMPUTER



CANNON PLUG



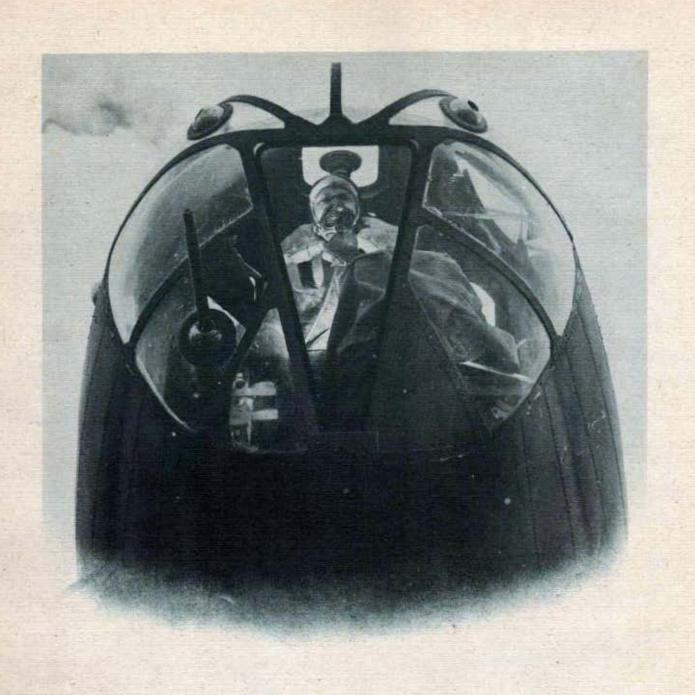
DRIFT METER



TELESCOPE INDEX

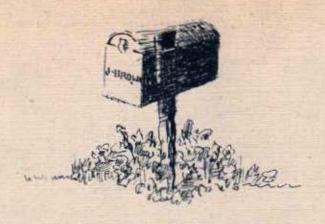


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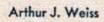


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