## ABOUT THE PAINTER

Aline Rhonie, F.I.A.L., is the designer, researcher, and sole painter of original mural, which was started in 1935 and completed in 1938. A well-known aviator in her own right, she served as Flight Leader in the first Women's Ferry Service (WAFS) during World War II, USAAFATC. As First Officer in the British Air Transport Auxiliary, she spent two years in the U.K. ferrying service; she also drove ambulances in France and in the United States during the war.

She is the recipient of: Medaille de la Reconnaissance Francaise; King George VI Medal; Chevalier de la Croix de Lorraine; honorary member U.S. Association of Croix de Guerre and a citation from the U.S. government, World War II. She is a life fellow of the International Institute of Arts and Letters and an associate member of the Institute of Aeronautical Sciences.

## PROFESSOR LEONETTO TINTORI

A well-known sculptor and painter in Italy, for the past twenty years he has been perfecting his method for fresco transfer and restoration. He has executed murals for the U.S. military cemetery at Nettuno, Italy. Among works he has restored are paintings by Giotto, Masaccio, Filippino Lippi, Andrea del Castagno, Andrea del Sarto, and many others. He is connected with the Uffizi Gallery and Pitti Palace in Florence. His home is at Prato, Italy.

## ELENA BERUTTI TINTORI

An artist of note, the wife of Leonetto Tintori is an expert in retouching restoration work.

### WALTER BENELLI

This native of Florence has been chief assistant to Professor Tintori for twelve years in the work on restoration and transferring of Italian Renaissance masterworks in fresco.

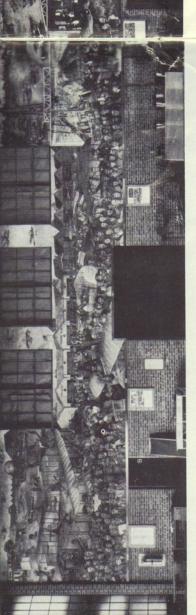
#### ALVIN BAHNSEN

Under Miss Rhonie's direction, he applied the wet marble surface of the original mural. He is now professor of political science at Post College, Long Island University.

# THE PRE-LINDBERGH ERA OF AMERICAN AVIATION

A FRESCO MURAL BY ALINE RHONIE, F.I.A.L.

CONSERVATOR:
PROFESSOR LEONETTO TINTORI



14

Panorama view of entire fresco mural (106' x 121/2' with exception of windows), on the north wall of hangar F at Roosevelt Field, Long Island, before it was transferred.

@ 1960 Aline Rhonie

Designed by Eugene Conner Composition by Hallmark Typographers—Printed by Victory Offset

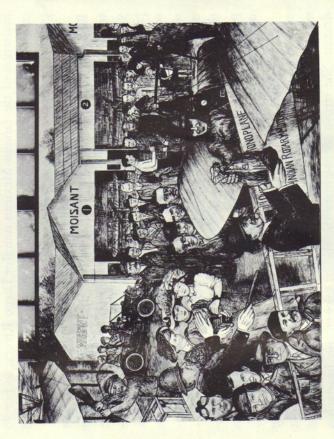
ROOSEVELT FIELD, the "cradle of aviation," inspired Aline Rhonie, a young commercial pilot in the early thirties, to create a painting history of the great pioneers and first conquerors of the mystery of flight. A former student of the noted American painter John Sloan, she flew solo from New York to Mexico City at the invitation of the famous Mexican muralist Diego Rivera, in her 90 m.p.h. small monoplane in 1934, and learned his plastering and painting technique in buon fresco.

This method had been almost a lost art since the days of the Renaissance era, and Mexican artists of recent years were the first to revive it on a grand scale. It is the most difficult form of painting, yet the most beautiful for mural work; as a form of art it is comparable to grand opera in music. The earliest paintings of prehistoric man, still preserved in their original form on the damp surface of limestone caves in southern France, masterpieces from the pyramid tombs of Egyptian Pharaohs, relics of the great Aztec civilization in Mexico, famous wall paintings from the great days of Pompeii—all these were part of the long technical tradition that was utilized in the Roosevelt Field mural.

Miss Rhonie sought to emulate this ancient technique, depicting an important part of the twentieth century in a primitive style that suggested man's earliest efforts toward mastery of his centuries-old dreams. She strove to re-create the thrills, excitement, heartaches and joys of this period.

To begin the project, the artist put four applications of cement, goats' hair, coarse and medium marble dust, and lime on a brick wall of hangar F at Roosevelt Field. She then applied transparent earth colors, each of which were ground by hand with only distilled water. These colors were placed into glass jars and had to be reground every week. Each color required about one hour to be reground. Then the water color was applied on top of a fifth coat of fine marble dust and lime, painting while the surface was still wet. Thus the pigment became a true part of the wall with the marble glowing through the transparent colors.

Each day's work required a freshly laid fifth coat surface to be carefully fitted to meet the edges of the former day's work, without showing the intersecting line. It is very difficult to apply the final coat correctly; due to weather changes, the amount of water used in mixing and applying it to the fourth coat is delicate and variable. The wall surface is only paintable for about ten to twelve hours, and it is important for the artist to decide exactly how much of an area is to be painted each day so that the mixture will not be wasted.



The world's first Air Mail Postmaster, General Hitchcock, handing mail sack to Earle Ovington, for historic first flight of mail.



The Lindbergh close-up. Finale to the era.

Over 90 per cent of all flying in the United States from 1908 to 1927 was done on Long Island, and every plane which research proved had flown in the area was faithfully depicted according to its importance at that time.

Since World War II, Roosevelt Field has become a thriving industrial and shopping center, and the pace-making airport that flourished in the thirties is gone, less than sixty years after the birth of flight. The old hangar was allowed to deteriorate by people unfamiliar with mural work and methods for preserving it. Recently it was not believed possible to restore the mural; some were even dubious that it was worthy of restoration. Asked about the practical feasibility of removing it from the wall, leading architects in this country replied, "Beyond comprehension"—"Improper facilities available even if we knew bow to remove it"—"The cost would be enormous, ridiculously high for its comparative value"—and other such discouraging opinions. But American fliers pleaded with Miss Rhonie to help preserve the record of their finest hours for future generations to enjoy, study and appreciate.

In 1953, she made a pilgrimage to Italy, where she had heard that

efforts were being made to preserve frescoes of the great masters of the Italian Renaissance.

In a second-hand British station wagon, with only her small dog for company, she drove over the hills of France into Italy, and on her second day there, at Pisa, she accidentally encountered a young man at work transferring and restoring some beautiful frescoes of great age from crumbling walls.

This young man was Walter Benelli, an apprentice to the famous Professor Leonetto Tintori of Florence. He was able to explain to her in some detail the restoration methods he used. Miss Rhonie then got in touch with Professor Tintori, who proved to be willing to make every attempt to transfer her painting from the hangar wall. Meanwhile, however, almost insurmountable problems arose to prevent work being started. To the owners of the Roosevelt Field property, the project seemed incredible: "It just cannot be done."

But time and weather would not wait. The mural was gradually disintegrating, and there were few who knew or cared, for the building had not been open to the public since Pearl Harbor. The hangar had been leased to the Railway Express Agency as a warehouse; tons of parcels and packages moved in and out while the old-timers' faces watched from the wall. Miss Rhonie received permission to ascertain by September 10, 1960, whether Professor Tintori could remove the mural, provided the work could be completed no later than November 1, 1960. Otherwise, the mural would be finally doomed.

Professor Tintori arrived on September 5. After several days of thorough tests, he said, "It can be done" and "It's definitely worth it!"

Within three weeks it was completely stripped by Tintori and Benelli from the hangar wall.

# THE RESTORATION WORK

Professor Tintori used special glues which were heated and applied onto cheesecloth and nylon netting to the wall. When the glue was completely dry, he carefully made intersection lines for

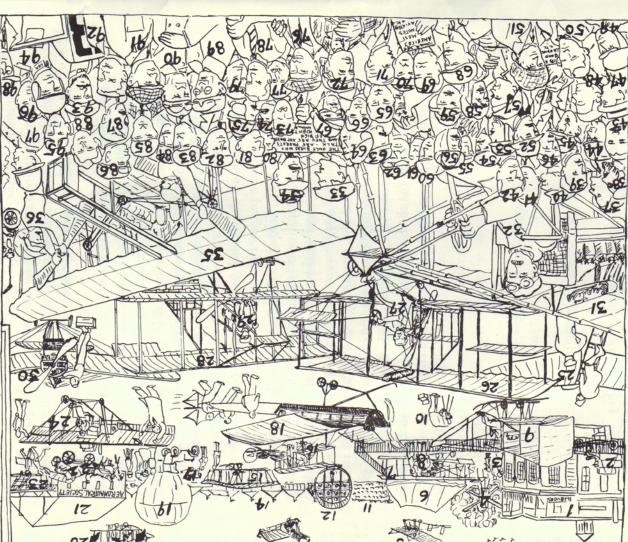
panel divisions. Then he literally peeled the stiffened cloths together from the wall, taking off only the thinnest possible layer of paint mixed with marble.

Turning each section over, he then applied several coats of gesso with cheesecloth as a binder on the back. Next, the glues on the top surface, along with the cheesecloth and nylon netting, were soaked off

Restorative painting then took place, using the "dry fresco" method. While the painting is as flexible as canvas when removed, no cracks develop. Miss Rhonie retouched all portraits necessary and repainted those parts obliterated by water damage; Professor Tintori supervised the mixtures and fixatives required. Then the back surface was glued permanently to specially made, lightweight, laminated masonite panels, which when assembled will show no intersecting lines. Additional wooden backing was then supplied for transportation purposes and framing.

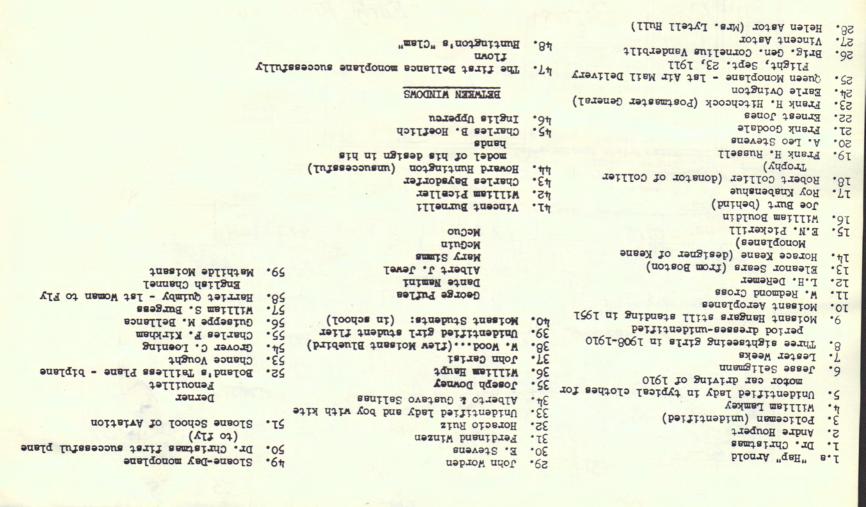
Because of the "Tintori method," students of fresco can now paint in this wonderfully satisfying medium, and within six months the fresco can be transferred by the "Tintori method," placed on panels, and shipped anywhere at any time for installation without fear of corrosion, mildew, or marring—and with no fear of restoration or preservation problems in the future. This should be a great inspiration to artists and architects, both to create fresco murals and allot space for them in future buildings. American civilization can thus be preserved in a truly fine art form.

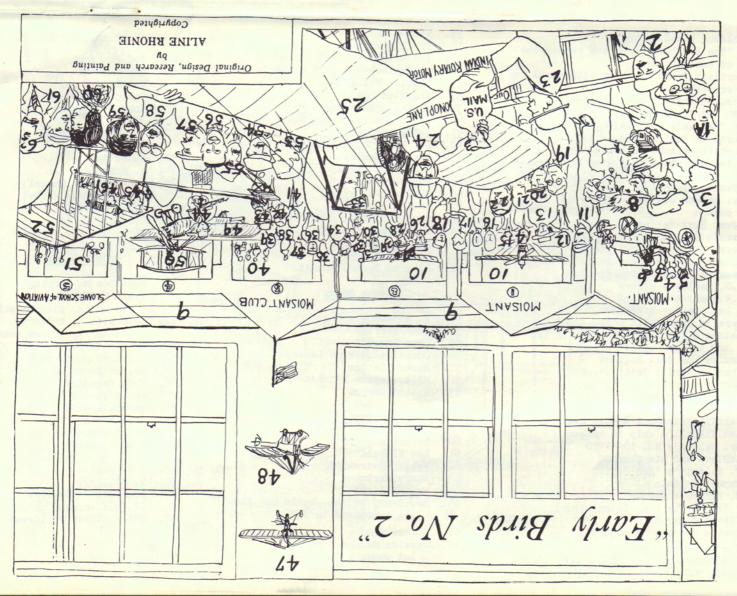
"Early Birds No. 1"

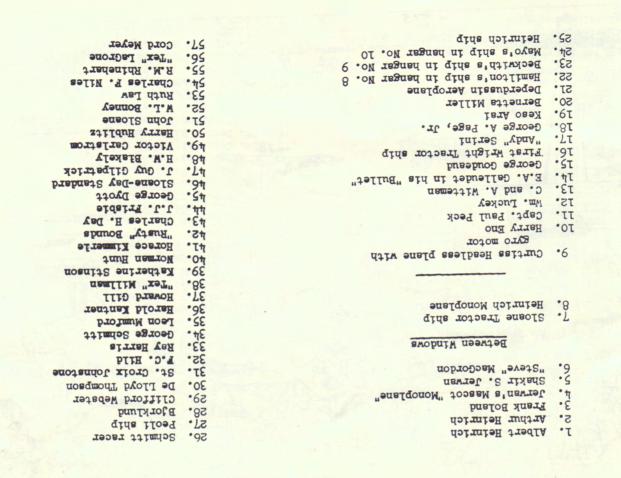


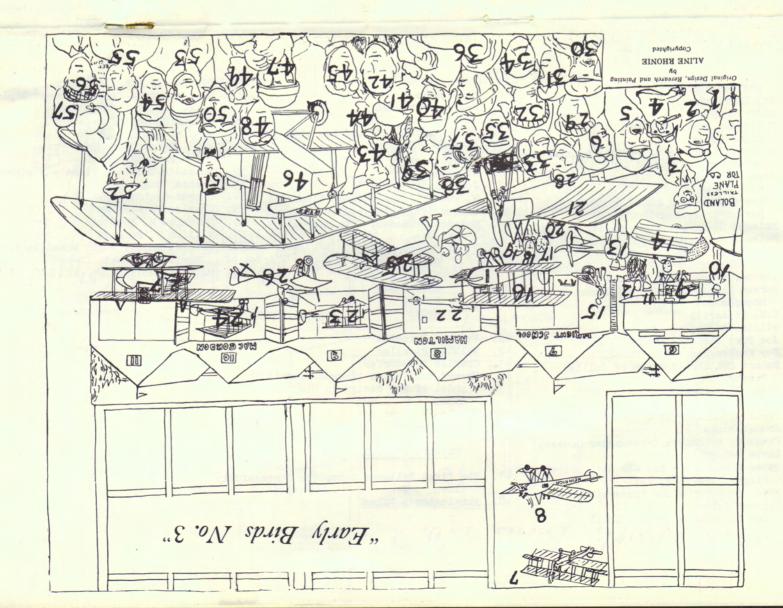
Original Denga, Research and Painting by ALINE RHONIE COpyrighted

				Glenn H. Curtiss in No. 31	s.
		. S.U at tolig namow Jal		Albany-Covernor Island ship	0
		Bessics Raiche	.10	Curtiss Aeroplane	• 1
		Horace Wild		Graham White's "Nieuport"	
Unidentified Policeman	.76		22	Clifford Harmon	•6
Lt. H.H. Arnold		lst monoplane in U.S.		lat to fly Long Island Sound	0
Clarence A. Decters	•\$6	Dr. Henry Walden built and flew		C. Harmon's Farman	60
T. Milling		Vm. Hilliard	* 119		•
J.V. Martin	•£6	Harry Harkness	. 63	Thomas Boldwin	_
Clifford O. Hadley	•26	Walter Fairchild	.59	T. Baldwin's "Red Devil"	
loseph Seymour		Leo Kimball		Leblanc and his Bleriot	
Ralph Johnstone		Dr. Wm. Greene	*09	Dr. Walden's No. 101910	
Arch Hoxsey	•68			Leo Kimball's ship in hangar	. 5
Marshall Reid	.88	Independents		Carting Fairchild's ship away	.5
Le Chappelle				Roosevelt Field	
P.O. Parmelee		Roland Gerros	.65	Lat hangar no what tal	
Walter Brookins	.78	Mlle. Helene Dutrieu	.85	Aeronautical Society Hangar	
Clifford Prodgers		Hubert Latham	.72	Frank Boland's Tailless1909	
George W. Beatty'	. 48	Count Jacques de Lesseps	.95	Hawley and Post Balloon	•6
lat to fly across continent	•£8	Rene Simon	• 55	fry to fly English Channel	
Calbraith P. Rodgers	.70	Rene Barrier	٠ 75	Lathan's "Antoinette" used in lat	.8
lat motion picture pilot	.28	E. Audemara		Cars in Vanderbilt Race1909	. 7
tolia excitata notion inf				lat tractor biplane	
Frank Coffyn		LLeuch Group		J.V. Martin's plane	
Augustus M. Herring	.08			C.O. Hadley's plane	
		Alberto Santos Dumont	55.	Hangars at Massau Boulevard	
Wright Group		rincoln Beachey	•15	Santos Dumonts "Demoiselle"	
		Charles Hamilton	•05	Geary's unsuccessful plane	.5
boowth TTAH	.eT	Hugh Robinson	*64	Grandstands at Belmont Park	.1.
T.O.M. Sopwith	.87	CLOMAGTT DIXOU	*84	"Joe" Burt taking Dr. Greene's picture	.0
Alex Ogilyie	• 77	Charles Manly	· L+	design	
Claude Graham White	.97	Curtis Lag Day	*94	Dr. Greene and ship of his own	•6
J. Armstrong Drexel	· 27	Engene Ely	• 54	"Pete" McLaughlin	.8
A. McArdle	· 47	J.C. "Bud" Mara	* 44	806T	
James Radley	-£T	Alan R. Hawley	· E#	lat seroplane to fly on Long Island	
		Lt. T.G. "Spuds" Ellyson, U.S.M.	42.	Curtiss' plane-"Junebug"	.7
English Group		J.A.D. McCurdy	* 17	Curtiss' tent outside Hotel	.9
		Capt. Paul W. Beck, U.S.A.	*0#	Dr. Walden's No. 31909	.5
John B. Moleant	Tz.	Beckwith Havens	.65	Wm. Fehr's helicopter	* 47
Cecto Peoli	٠٢٢	tack state Post	.85	Mrs. McLaughlin and children	
Mm. Badger	.07	Charles Willard	. TE	crates, 1908	
Lee Hammond	•69			Curtiss' Truck arriving with plane in	.2.
Tod Shriver	.89	C. TaylorWright's Mechanic	35.	of early fliers.	•
	0)	The Wright Model B. Ship		"The Avistors' Inn" and rendervous	
Baldwin Group		Orwille Wright	34.	Goldbug Hotel, Mineola	• T
		Wilbur Wright	.55	efeath feter unfefen	
			-		
24	1				
	11/20/	( 10%) 1. ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (	Yed D	Y IISM OSTER	
	- 4/1	CAN CAN TO SEE AND ASSOCIATION	willy	11. 21 17 41 2	









5p°

**.** 53

25°

Loening Monoplane

Ace seroplane

Canuck D.H.4's

S.E.5

Spad

AVEO

(I .ON

31.

30.

.62

.85

55.

54.

23.

.22

57.

50.

·61

.81

\*9T

·ST

٠ ήΤ

13.

IS.

.11

.01

•6

.8

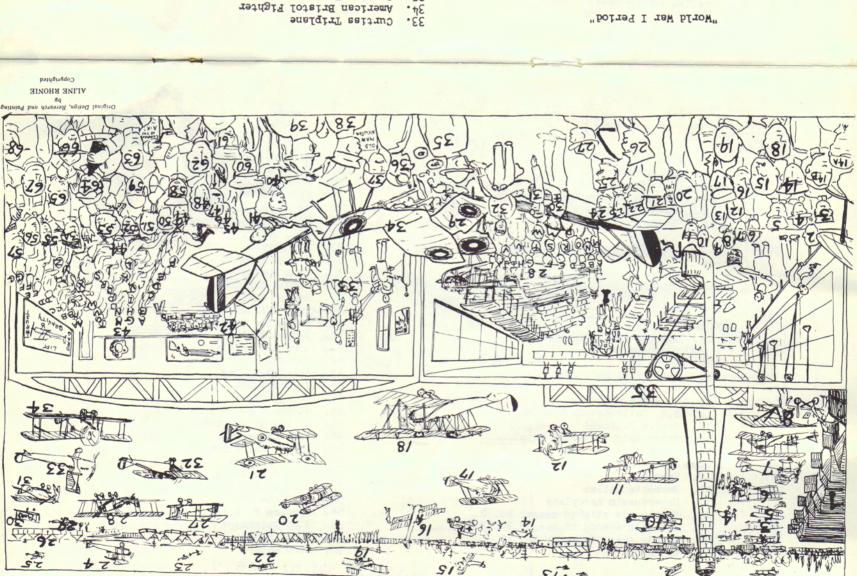
.99

3.

2.

Christmas' "Bullet"

Tommy Morse' plane



Capt. Silvio Resnati (Royal Italian Flying Corps.) SI Martin Bomber twin engine 2nd Lt. Hobart Baker so. Vought plane Capt. James E. Miller ·6T coming Roosevelt Field No. 2) Capt. Joseph E. Carberry .81 Hangara at Roosevelt Field (later be-Lt. Clearton H. Reynolds tdgill ni orva Lt. Col. Phillip A. Carroll Lt. Daniel R. Moyes ·9T Aeromarine ·ST after him) (Bolling Field, Washington D.C. named Major Raynal C. Bolling (Bolling Sopwith "Camel) · ÈT Lt. W.P. Willetts Caproni Biplane, twin engine 2nd Lt. David R. Wheeler TS° L.W.F. Aeromarine Capt. Alfred Hourteaux (France) \*11 gobatth "Pup" Lt. Stroman OT D.H. t crackup Lt. Edwin M. Post .6 J.N.L Camera plane .t. H.H. Salmon Jr. .8 Loening Monoplane L.W.F. Aeromarines Lt. Victor W. Page Capt. Norbert Carolin .9 Major Carl F. Hartmann 3. Lt. Bee R. Osborne Handley-Page biplane, twin engine Capt. J.L. Gilbroth Sturtevant plane Lt. Robert M. Olyphant .5 Gallaudet trainer R.J. Gilmore Aeromarine Curtiss RA 2 Lower Section Bristol Fighter "Cactua Kitten" Aeroplane New York, Major John P. Mitchell) (South of Roosevelt Field) J.V. Martin Aeroplane Carist-Burnelli plane 37. Hangar at Mitchell Field (named after Mayor of tion of aircraft. 1. Hangars at Hazelhurst Field, Mineols, L.I. (later called Roosevelt Field Assembly Line of J.N. 4's First mass-construc-(South of Hazelhurst Field) Curtiss Factory near Garden City, L.I. .35.

Lt. A.B. Thaw

Lt. Guiliano Parvis (Italy)

Lt. Gianfelice Gino (Italy)

Capt. Unio D'Annunzio (son of the Italian poet)

reflex action tests depth perception tests oxygen lung tests 33. Dr. Luther H. Kice M. Lt. A.J. Coyle W. Snd Lt. L. Wheaton Medical Section Capt. C.C. Culver 32. Lt. Wyman Capt. A.A. Cunningham к. 31. Unidentified Unidentified Unidentified 30. ·I Lt. W.F. Banks J.N.t Crackup .62 H. Lt. Earl Carroll VIIIA . 2.U Lt. Howard F. Wehrle G. Lt. Carlton G. Chapman · M . V James B. Taylor, 3rd. Capt. John W. Butts Capt. Roland G. Blake E. Harry S. Guggenheim .U D. Lt. Willis A. Boggs Capt. Edward McDonnell . T C. Lt. Bernard Cummings Caleb Bragg ·S B. Lt. D.B. Byrd David S. Ingalls George S. Gay •я .A . T 2nd Lt. E.W. Bagmell Flying School Trubee Davison 42. Lt. Struthers (Instructor) Albert Ditman · N "Df" Getes Perry Beadleston .M ·T School Section Malcolm Stevenson John M.L. Rutherfurd Erl C.B. Gould ·I • H John Vorys °Đ · T+ Albert Sturtevant .65 F. William Rockefeller E. Bartow Read Unidentified D. asmud .M.V TotsM Curt Read B. (Harry) Henry P. Davison C. "Chip" McIlwaine Lt. M. Tabuteau 35. Capt. D. Boyriven unidentified A. Robert A. Lovett Harvard and Tale: DeHavilland 4 Aeroplane crackup First U.S. Navy Flying Groups, from revolving chair test for blackouts 27. Unidentified sergeant walking straight line Capt. Harold S. Martin eye tests

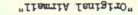
#### Major Aleshire Major Thorne Douel 84.66 Capt. W.C. Kilner Capt. B.D. Foulois Capt. B.D. Foulois "Bert" Acosts .59 Major Thomas Hitchcock, Sr. \*T9 Major Lealie MacDill .09 (Mayor of New York City) Major John P. Mitchell .65 Lt. Col. J.D. Carmody .85 Major Frank K. Ross Lt. Quentin Roosevelt ·95 Capt. Shipler Fitzgerald ·#S Desn Lamb Capt. Fiorello La Guardia Elliot White Springs 52. World War 1. Aviator's flying suit used in \*TS 50. Major George W. Krapf Major Robert D. Wren •64 Glenn Martin

Major Whitten East

#### Summer Ireland · 14 Lawrence B. Sperry \*94 P.H. Spencer . 54 Major C.K. "Sunshine" Rhinehardt \* 1111 GG. Lt. Flechaire (France) Capt. Paul Monteriol (France) · TH Lt. Soulier (France) Lt. P. deSeyssel (France) DB. · DD Snd Lt. P. DeMandrot (France) BB. George Pickenpack Lt. W.R. Taylor . AA Capt. Fred C. Harvey ·Z Capt. Seth Low ·I Lt. C.F. Littlejohn ·X Capt. Ralph L. Taylor · M Lt. R.H. Jones • 1 ·U Capt. D.M. Henry Lt. O.E. Strahlman .T Col. Hiram Bingham °S Capt. F.T. Evans Lt. A.B. Gaines Jr. .0 · d Lt. H. Ilse

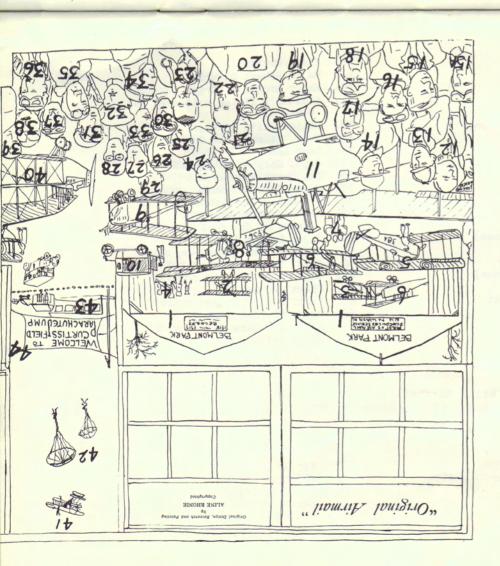
Being added:

Gen. Billy Mitchell Capt. Eddie (E.V.) Rickenbacker lat Lt. George A. Vaughn, Jr.



center of racetrack, Belmont Park, L.I.

Airmail hangars at original sirmail field



Dens C. "Deddy" DeHart
Ira O. Biffle, (Taught Lindbergh to fly)
Ira O. Biffle, (Taught Lindbergh to fly)
Ed. V. Gardner
Max Miller
McCusker
"Jap" Pearson
E. Hamilton Lee...Dean of Airmail pilots
Charles King
W. Langley
W. Langley
Mark Hoag
W. Langley
Charles King
C. Dugene Johnson
Mark Hoag
W. Langley
Maruice Newton
Leon D. Smith
Robillard
C.B.D. Collyer, superintendent Airmail
Division at Belmont Park

Capt. B.B. Lipener
Bill Lindley
Gilbert G. Budwig
Gilbert G. Budwig
Jemes H. Knight

Desn Smith
Harry Huking
Robert Ellis
Burr Winslow
"Pop" Anglin
Vill Hopson
Tec. ?

32. Capt. B.B. Lipener
33. Bill Lindley
34. Gilbert G. Budwig
35. Jemes H. Knight
36. Jemes H. Knight
37. Sam Eaton
38. Johnny Miller
39. Curtiss "Tripe" Altitude record plane
19. Curtiss "Tripe" Altitude record plane
19. Loyn by Roland Rohlfe, Sept.
19. Curtiss "Tripe" Altitude record plane
19. Loyn by Roland Rohlfe, Sept.
19. Loyn by Roland Rohlfe, Sept.

ph. Entrance to Curtiss Field, Mineols, L.I.
(later called Roosevelt Field No.l)

Parachute Jumping exhibitions (the

41. N.C.4-First successful strerossing of

Sykorsky Hangar at Curtiss Field (still

Atlantic Ocean by heavier than

(1791 at Bathasts

(tasiliss)

30.

.8s.

25.

Sβ.

22.

ST.

50°

·6T

.71.

· BST

•51

17°.

IS.

.11

\*0T

.6

.6.7

3.

.5

Major Whitten East

Major Frank K. Ross

U.S. Mail Plane Service Truck Oriole C.6 (Curtiss)

Curtiss R. with Liberty Motor Ordinance "Scout" (first tricycle

Landing gear)

Fuselages of "Jennies"

Robert F. Shank

Russ Holderman

D.H. th. L.F. Bishop Paul Culver C.I. Stanton

.A.H sattwo

Standard "Scout"

"Swallow"

amsbA nsLLA



5. Passenger flight ticket office Fokker D.7 Biplane (German) (French) 3. Nieuport, Le Rhone rotary motor

Lavson Airliner, twin motor .5

Field 1. Hangars on Northwest end of Curtiss

BELMEEN MINDOMS

Lighter than Air machine to

fly the Atlantic Ocean.

Flying Circus teams.

SJ. Verville-Packard plane, speed plane.

SO. Laura Bromwell, made record, 199 con-secutive loops. Later killer attempting SOO mark.

speed test, M.Y.-Toronto Race.

timental Race 1919. Let place in

Hemisphere, 1919, one of winners.

18. Lt. Belvin W. Maynard, 1st Place in Transcon-

17. Ray Brown, N.Y. Toronto Race, Ist Intercontinental Race ever held in Western

Prize Race 1920 Commender, Lefsyette Esquadrille, France, 1917.

13. Gerald Brandt

14. Capt. J.O. Donaldson

15. Capt. Harold E. Hartney Snd Place Pulitzer

15. Capt. Pacel Pace loso Commender, Lefsyette

altitude record - 1919. set in 1919. Also 34,000 ft. 11. Rolend Rohlfs, 20,000 ft. in Curties "Tripo" Climbing Record ... 10 minutes

9. R.34 British Dirigble, First

sircraft in flight, maneuvers of Gates 10. Wingwalking and climbing onto another

and Duke Krantz performing over L.I.

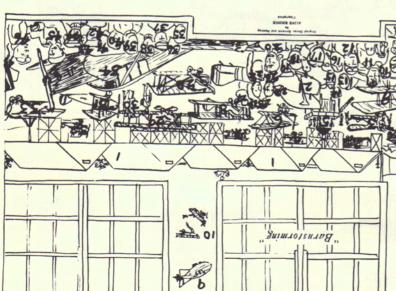
CTAge Langborn

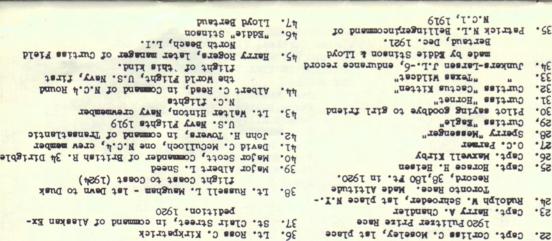
Le Pere (French)

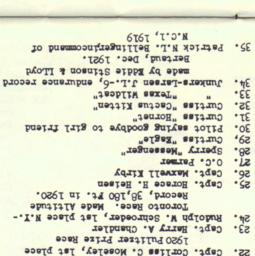
BETOM

12. J.D. Hill

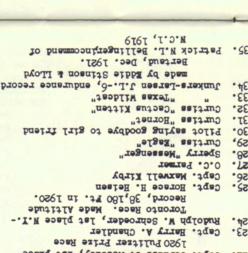
6. Anseldo (Italian)

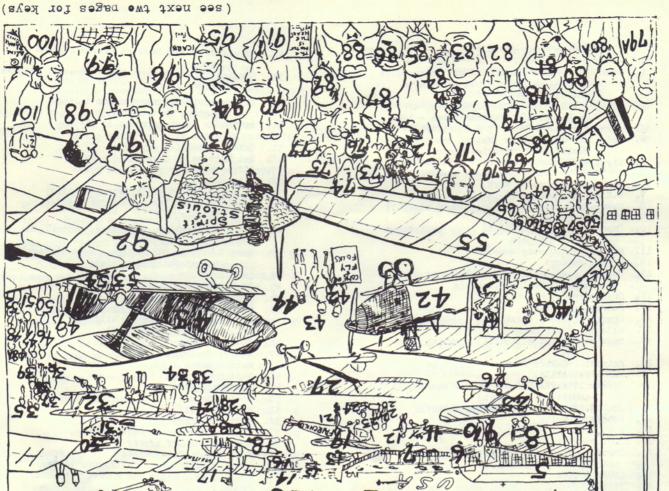






"There's Money In It"





There's Money In It!"

Remington-Burnelli Twin-motor Jerry Van Wagner 30. .85 .65 Everett Chandler Cerl Shader .85 Connell \*95 First Highwing Bellanca, cabin type York, Kelly and McCready pilots. Louis Bragos Stop Flight. California to New ph Casey Jones Curtiss Jenny with Sykorsky wing. Flown Fokker T.S. Ist Transcontinental Non-52. .66 53. 23. E.P. Lott Major Alexander P. DeSeversky Assen Jordanoff (Jerry Walter E. Lees Robert A. Smith 25. SS. 51. •15 John G. (Smitty) Smithowski, mechanic BIJJ bm.cejj CAMETA TOT ALT WORK) Louis Miers .08 \*64 Fairchild Aerial Camera (First successful Leuis McSpaden BITT GLEA .84 47.8 Walter Beech Fairchild Camera plane. First type ·61 47. Robert Morduyn prane 46. Russell Beeler Hamilton (First all-metal) highwing mono-.81 Mitchell Field Hangars 43. "Pete" Deva-th, Paul Clough ths. Curtiss 1923 Schneider Trophy Winner, ths. Curtiss 1923 Schneider Trophy Winner, the Curtiss 1923 Schneider Trophy Winner, Farman Sport Plane Orenco Training plane \*9T · 5T Grandstand at Mitchell Field \* 71 and Mitchell Field Races 42.a Leo Terletsky Unidentified small racing planes at Curtiss 13. barnstorming type plane Harvey Mummert 12. 42. Waco 9 Curtiss OX5 engine. Most successful Mummert's low wing monoplane ·TT "Mac" (James G. McINtosh) later part owner of Aero Trades Curtiss Airport tl. "Husky Fllewellyn, passenger "hopper" for OT. Felix Blum, mechanic .6 flights .8 Sykorsky Twin motor Biplane (open cockpit) Spectators and passengers for sightseeing · 01 S.E. 5 (British make) 38. A.A. McCory 39. C. Mills (Pilot of Christmas' Bullet) serial camera work .85 Curtiss Amphibian "Sea Gull" also used for •9 Alfred McCory Skywriters' Corp. Hangar at Curties Field 36. Unidentified S.E.5's - British first Skywriters, strival in U.S.A. for demonstrations - 1922 3. Nordman glider, flown by A.O. Heinrich 4. Travelair OX5 Biplane (Walter Beech's first manneredal plane. ารอิยม 34. Art Smith first American to fly in 33. Al Menasco, designer Menasco inline-engines for strersit 1. Verville - Sperry Racer. First retractable Landing Gear and first cantilever Record breaker 32. Curtiss "Hawk" Pursuit Plane, Russell Maughan's Касев 31. "Brass Hats" and Band at Mitchell Field

"Merry" Merrill manager of Curtiss and Roosevelt both here and abroad. 93. Charles L. Lavrance, designer of Curtiss J.4.
and J.5 motors. Latter used in Lindbergh's
plane on Paris flight.

94. Anthony (Tony) H.G. Fokker, designer Fokker
Atrplanes. Used by Germans in W.W.l

(fighters) and commercial types later
both here and abroad. 92. Spirit of St. Louis, Ryan Monoplane flown by Lindbergh to Paris. Alrways Pilot. 90. Bill Winston (Ed), Pioneer Pan American later helicopters). 89. Igor Sykorsky, designer of Airplanes (and his death. 87. 'Travelair' Brownie 88. Bill McMullen, manager of Curtiss Field until Pilot with Schlee. 86. William (Bill) Brock, First Round the World speed records. Stunt expert, Race winner. Experimental and research flying. 85. (Major) James H. Doolittle, USAACR. Holder man 59. Dick rear 60. Eddie Connerton

in seaplane.

Orteig Prize.

100. Wilmer Stultz, pilot for Amelia Earhart in her first Atlantic flight to Wales,

rescue of Floyd Bennett. that and Polar flights. Went to 99. Bernt Balchen, Atlantic Ocean flight to France with Byrd. Filot of both

98. Admirel Richard E. Byrd Poler Expeditions. Flew over Morth Pole first with Bernt Belchen.

Fields until his death.

with Levine, his backer to Germany. 1927. 97. Col. Charles A. Lindbergh, first to solo the Atlantic and land in Paris winning.

96. Clarence Chamberlin, holder with Bert Acosta of

endurance record, over 52 hours, 1926 and pilot of Bellance "Columbia which flew

Stunting expert. Exhibitions.

St. Cyrus (Cy) Bettis. Winner First Pulitzer
Race. (Annual race) Schneider Trophy, Pulitzer etc. Stunting expert. Exhibitions. 82. Jim Ray. Moted as Pioneer Autogyro pilot and Air Circus flying.
83. Major Al Williams, holder meny records including World's Speed Record 81. C.S. "Casey" Jones flight to Rome 80g. Lloyd Bertaud, co-holder endurance record 79a. Eddie Stinson Richard H. Depew, Ist American to win French pilot's certificate, 1911 .08 Atlantic with Colis Capt. Charles Nungesser, Lost flying the .8T Hene Fonck (French) Art Caperton .67 HOURRHOR XOT. Stewart Cogswell George Weis • 47 Harold McMahon MacCready. U.S. Army Air Corps. Major Kelly, co-holder of record with Major MacCready, U.S. Army Air Corps. non-stop record holder 69. Major Jack Savage, inventor of "Skywriting"
70. Charles Collier, one of Skywriting team in U.S.A.
from Britain (British) 68. Cyril Turner Ist Skywriter in U.S.A. Ray Howard BETOM 65. Emil Burgin 66. Frank Cordova (Cordy) Eill Kitchingham
Emil Burgin 63. Warren White 62. Fred Becker E.B. "Em" Emerson