

Historical Highlights of Photogrammetry in the U.S. 1904-1984

1904	Development of Panoramic camera and plotting apparatus by C. Wright of USGS and its use in Alaskan mapping.	1939	Patent for Abrams "Explorer" photographic plane issued.
1913-1931	Development and use of Brock and Weymouth Process.	1940	Development of Trimetrogon System. Used during World War II and, subsequently, in Antarctica.
1916-1931	Development of Bagley (Maj. C. W. of Eng. Corps) three- and four-lens cameras.	1940	First American manufacturer of optical-projection photogrammetric instrument: Multiplex, by Bausch and Lomb, to USGS design.
1917	First recognition of "Photo Interpretation."	1943	First combat use of color infrared (camouflage detection).
1920	Bagley three-lens camera used to photograph Santo Domingo and Haiti.	1943-1955	Development and improvement of Kelsh Plotter.
1920	Schoolcraft, Mich. quadrangle photographed by single-lens camera supplied by Army Air Service.	1944	<i>Manual of Photogrammetry</i> (First or Preliminary Edition)
1926-1929	Frest Service holdings in S.E. Alaska photographed by the Navy (with Bagley three-lens camera) for USGS	1949-1955	Development of ER-55 (Balplex-Twinplex).
1927	Aerocartograph introduced.	1951	Publication of <i>Index to Photogrammetric Engineering</i> , Volumes 1 thru 14.
1930	Terrain Clearance Indicator patented (Radio Frequency Modulated).	1952	<i>Manual of Photogrammetry</i> (2nd Edition) published.
1933-1935	Compilation of three-lens Alaskan photos by radial line method. Publication of planimetric maps and use as a base for plane table contouring.	1952-1959	Development of Orthophotoscope.
1933	Organization of TVA Branch of Maps and Surveys in cooperation with USGS.	1952	VII International Congress of ISP, Washington, D.C.
1934	Formation of ASP.	1955	Development of Stereo Templets.
1934	Exhibit of Zeiss Multiplex in Washington, first in U.S. (Heinz Gruner in charge).	1958	Presentation of plans for first analytical plotter, by U. N. Helava at a meeting in Ottawa, Canada.
1935	First Semi-Annual Meeting—Wright Field, Dayton, Ohio.	1958	Beginnings of digital photogrammetry. Use of computer on analytical plotter.
1936	<i>Bibliography of Photogrammetry</i> published.	1959	Authorization of NOS satellite world control net.
1936	Multiplex mapping office established in Chattanooga, Tenn. as a cooperative effort by TVA and USGS to map the Tennessee Valley.	1960	Moon mapping. <i>Manual of Photographic Interpretation</i> published.
1936	Development of nine-lens camera by USC&GS. Capt. O.S. Reading in charge of project.	1960-present	Development of remote sensing via satellite.
1936	Second Annual Meeting at Chattanooga, Tenn.	1966	<i>Manual of Photogrammetry</i> (3rd Edition) published.
1937	Organization of Corps of Engineers photogrammetric mapping office at Little Rock, Ark.	1968	<i>Manual of Color Aerial Photography</i> published.
1937	Patent for Slotted Templets Inventor, C. W. Collier, S.C.S., assigned to Fairchild Aerial Surveys.	1972	First Landsat launched (initially known as ERTS).
		1975	<i>Manual of Remote Sensing</i> (First Edition) published.
		1977	Formation of ASP Foundation.
		1979	<i>Handbook of Non-Topographic Photogrammetry</i> published.
		1980	<i>Manual of Photogrammetry</i> (4th Edition) published.
		1981	Consolidation of ASP and ACSM proposed and co-location approved.

- 1983 *Manual of Remote Sensing* (2nd Edition) published. 1984 *Multilingual Dictionary of Remote Sensing and Photogrammetry* published.
- 1983 Proposal for consolidation of ASP and ACSM narrowly fails to win required two-thirds vote. ASP celebrates 50th Anniversary of founding with special events and special publications.



Burton D. Anderson in Albuquerque, NM, 1938.



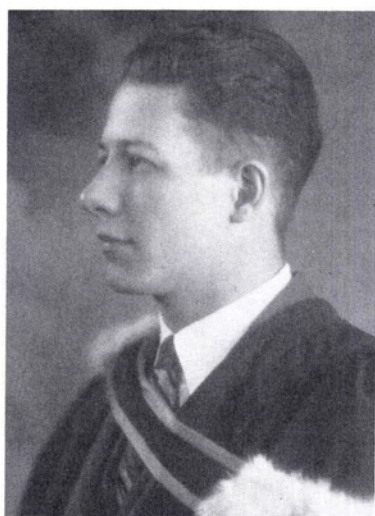
Ray Anderson was employed by Fairchild Aerial Survey of Los Angeles for 33 years beginning in 1933.



Abe Anson on the Hudson River, June, 1934.



Charles H. Andregg in the winter of 1934-35, on a hike in the woods!



Louis J. Arcand Spring, 1931 graduation picture, (Received B.Sc. in Civil Engineering), McGill University, Montreal, P.Q. Canada.



Benjamin Arcoverde In 1934. He worked in the Brazilian Geographical Military Service, mainly in the Department of Photogrammetry.