

***PERSONAL IDENTIFICATION:
ITS MODERN DEVELOPMENT AND
SECURITY IMPLICATIONS***

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Preface

This book is an outgrowth of my years of curiosity about who invented the laminated photo identification badge, and in modern times, who issued the first secure personal identification documents. It was never intended to be a published book, as my study began with establishing a chronology, and *who* developed various photo identification technologies. It ended up as *why* we have personal identification documents—a subject that certainly appears not to have been previously studied.

Because this book necessarily covers subjects that I was not familiar with, I am indebted to the many people who assisted me. In particular, I want to acknowledge Dr. Isador Kreel, M.D., who basically wrote Chapters 2, 3, and 4. Not only did he study the new material that I obtained for those chapters, but he brought his vast knowledge to the forefront and was able to document and provide the early historical continuity that was needed.

I want to acknowledge Dr. Robert McCrie, Timothy Walsh, Peter Scott, and William Kieckhafer who provided on-going encouragement and support during the writing of this book. Their assistance was invaluable! I had many interviews and communications with knowledgeable people on the subject of personal identification and identification documents. I want to thank them for this information and acknowledge their support: Dan Bowers, E. J. Criscuoli, Jr., Chuck Hardester, John Hotchner, Lawrence Howe, Peter Liebhold, Ron O'Connor, Richard Raia, Dino Redmand, and Derek Trimble. I would like to thank John Fox, historian of the FBI, for discussions and for his copy of the 1941 *FBI Security Manual*. Also, Shelly Jackson of AAMVA provided invaluable material. Finally, I would like to acknowledge Susan Gagnon from Polaroid who provided substantial assistance and early literature on Polaroid products.

This book would not have been possible without the remarkable support and assistance of many of the individuals in libraries, museums, and private institutions around the United States. Many individual librarians provided reference services at no charge as well as directing me to other possible sites for information. Furthermore, I was able to study hundreds of books and documents at the library of ASIS International (formerly the American Society for Industrial Security) in Alexandria, Virginia, and the New York City Public Libraries (NYPL). Also, I had remarkable assistance from our own Suffern Free Library and the Ramapo Catskill Library System, which located and delivered dozens of books and documents via their interlibrary loan system. I would like to acknowledge Craig Wynne who worked with me during the writing and who proofed and edited the rough copy. Lastly, I would never have completed

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Introduction

THE MOTIVATION FOR WRITING THIS BOOK

I began this study to learn who invented the first photo ID badge and how the photo ID evolved into the plastic cards we have today. Once I determined that Ned Whitehead developed the first practical laminated photo IDs in 1940, the question arose as to why these first tamper-resistant (secure) IDs evolved into the various identification documents we have today. Why do we *have or even need* ID documents today?

ID devices, credit cards, and other cards have been generically known as portable *identification data devices*. They were portable because people could conveniently carry or wear them. They identified the individual by displaying biometrics, whether it was an individual's photograph, a fingerprint, a signature, or other physical characteristic. These devices visually, mechanically, or electronically transmitted an individual's personal identification data to receptors or sensors, and they were manufactured as cards, badges, keys, electronic chips, or tokens.

Whereas the development of each type of card is intended for a specific purpose, the portable identification data device developed to perform vastly different functions. IDs and credit cards have become the primary device for communicating with today's omnipresent world of computers. It is the number on the card that the computer uses. These ID devices were available long before the computer revolution, but computers are now using them to communicate and collect data for each individual. Many of these uses are new, including a form of mass surveillance, as so clearly described by author James B. Rule in his many writings (529). Whereas IDs were never intended to be used to trace our activities, each ID serves as the primary *channel* to communicate with computers around the world to produce a new form of information database: a mass surveillance entity that evolved simply from the IDs being recorded in computer databases. Now that this phenomenon exists, we must understand and control it. These new phenomena of computers reading and storing our data every time a portable identification data device (card) is used properly is called *mass surveillance*. The increased governmental use of this mass surveillance phenomena created by the existence of personal ID documents is another consequence of the 9/11 event (496).

THE SUBJECT OF PERSONAL IDENTIFICATION

Personal identification refers to a wide variety of subjects. It may attempt to answer such questions as: Who am I? Where did I come from? Why was I born? What is my place in my family, my society, and in the universe? This book does not deal with any of those philosophical questions. It deals only with the physical identification

