- Albert, Calvin Pratt Inst. instructor, 43,
- Aldrighetti, Al GM Styling engineer, 92, 93;100 (photo)
- Amateur Telescope Making an avocation introduced in a series of articles in Scientific American, 194
- Andon, Jake and Nan GM Styling and GMDRL associates, 215 (photo)
- Arbib, Richard Pratt Inst. instructor, 59, 69, 74
- Armi, C. Edson author referenced the Art of American Car Design, 123
- Arnold, Dagmar Pratt Inst. and GM Styling associate, 156, 210
- Art Center automobile design school (reference to), 31, 82, 85, 92, 214
- AutoLine a GM film project for expressway "auto trains," 161-162
- Bekker, Greg DSD/GMDRL off-road mobility expert, 144, 154, 186-188, 215 and front cover (photo)
- Bendix (Aerospace) GM competitor for lunar roving vehicle contracts, 179, 186-190
- Bianco, Fedell GM Styling studio head, 92, 100 (photo)
- Bidwell, Joseph Research Staff, head of Engineering Mechanics, 124, 128 (photo)
- Bogarelli (family) GM Styling plaster shop, 123, see also 122 (photo)
- Boudreou, James "Dean" Pratt Inst. dean of the art school, 39, 46
- Brown, Lloyd DSD leader on Lunar Sample Return proposal, 148; a note on, 166
- Burger, William Pratt Inst. instructor, 58
- Calandro, John GMDRL associate, 166, 187, 210
- Campos, Joe Pratt Inst. lab. tech., 40
- Canzani, Victor Pratt Inst. instructor, 77
- Case Tech & Western Reserve (incidental ref.) Pete James as student, 160; Herb James as fencing coach, 208

- Cataldo, Roy Research Staff lead engineer - joystick controller for Firebird III, 125
- Christiansen, Tom GM Styling administrator, 77, 95-96
- Club de Mer 1956 Motorama show car (reference to), 103-106, 113
- Conklin, Emmett GM Research Staff test engineer, 130, 131, 137 (photo)
- Connor, Donald Susan's father, retired former president of Micromatic, 144, 146, 165
- Connor, Lucile Susan's mother, 165
- Connor, Susan girl friend, 144, 157 (see also James, Susan Connor)
- Connor, Thomas Susan's brother, 144, 157, 165
- Correy (Mr.) Edmund Scientific, head of New Products group, 201
- Cumberford, Robert GM Styling associate, 82
- Deesen, Paul Pratt Inst. and GM Styling associate, 83, 106
- Defense Systems Division (DSD) GM Division created to enter defense research market, subsequently restructured as GM Defense Research Laboratories, 144,146, 147
- DeLorean, John footnote re Bob McLean, 95
- Dennis, Bill GM Styling associate, 99,112, 115
- Design elements of: Firebird III layout, 109-110; "backward blisters," 118; committee, "remove tail fins," Earl, "put them back on," 119-120; footnote re best appearance, 121; devoid of chrome, 123; headlight, 137 (photo); Alexander Kostellow "important stuff," 214
- Design Epilogue: Harley Earl's "Vision," 212
- Design Committee "take the fins off," 119-120; "This is not a car. This is a caricature!" 141
- Dohner, Don A. Kostellow's attribution to, as one of the co-founders of

- Industrial Design (as a profession), 52
- Domkey, Ray GM Styling, woodworker, 113
- Double bubble car concept automobile design class rendering (pre Firebird III), 81 (photo)
- Drawing techniques orthographic drafting (coordinating views), 54; proportions, 57; old masters techniques, 59-63
- Dunham, David astronomy: grazing occultation 191-193, 192 (graphic); meeting with 196
- Earl, Harley GM VP: Styling Staff; (see) author's note; 11; stories about, 91; first encounter, 92; Firebird II minimal "hands on," 94; with Firebird II (photo); Firebird III kick-off meeting, 103; first view of mockup, "buy-off" and "go to clay" 113-115; review and suggestions, 117; with three Firebirds, 138 (photo); near retirement, 139; in reflection, 212
- Early Years (author's) family structure, 13-14, 35 (photo); routines, 15-18; polio, 18-21; astronomy/telescope making, 22-27, 28-29, 36 (photo); rocketry, 36 (photo) and board games, 28, 101 (photo); graduation and college, 31-32
- Edmund Scientific: in reference, 27; letter of inquiry, 197 (footnote); visit 200-201
- Empathic Sketching, drawing technique taught by A. Kostellow, 63-66
- Evans, Maurice contracted to manage Firebird III Motorama film and stage production: meeting with at GM Styling, 124
- Ewing, James GM Styling associate, 115, 117 (un-named in photo - foreground/ right)
- F-100 North American Aviation inspiration for Firebird III (nose), 106
- F-104 Lockheed Starfighter inspiration for Firebird III (lightness), 108 (photo)
- Faloon, Larry GM Design Center (formerly GM Styling) - Epilogue, 211

- Firebird (I) first GM gas turbine show car - Motorama of 1953 (author's first viewing), 88; in Arizona for film, 138 (photo, H. Earl, left of 3 Firebirds)
- Firebird II: four passenger gas turbine show car, 100 (photo with H. Earl), side profile 101 (photo); in Arizona for film, 138 (photo, H. Earl, with (center of) 3 Firebirds
- Firebird III Clay model, 115-121, 117 (photos)
- Firebird III Features: Skydrol hydraulic fluid, 126; urethane paint, 126; gas turbine engine, 134 (photo); elastomeric urethane bumper, 137 joystick controller, 125
- Firebird III Mockup (space sketch), 112-114, H, Earl's "buy-off" for Firebird III design, 114 (photo with author); engineering mockup, 117 (photo, author near center)
- Firebird III Motorama planning of (with M. Evans), 124-125
- Firebird III the car: mechanical assembly, first drive, 128 (photo); at GM Desert Proving Grounds for Motorama filming, 133-138 (photos)
- Fisher Building (Albert Kahn-Arch.) referenced Art Deco building in GM Detroit complex, 83
- Foucalt, Jean referenced inventor of pendulum & optical test, 26
- French, Ralph Pratt Inst., roommate, 96, 97, 99
- Friedman, Don DSD head of Land Operations; Detroit, 144; Santa Barbara, 147,158; replaced by Sam Romano 190; Epilogue - Detroit, 202
- Frieze Drawing Method a drawing technique to construct accurate perspective drawings from orthographic drawings, 56 (diagram), 75, 187
- Genest, Ken Pratt Inst. student teacher automobile design, 59, 69, 74 (later-GM Styling associate)
- GM Proving Grounds Milford, MI, 85-86
- GM Tech Center moving into, 97, 98-99

- GMDRL GM Defense Research Laboratories - in Santa Barbara, CA, 165 ...Chapter 7, extensive
- Goodrich Aerostructures (formerly Rohr Industries) - Epilogue: post GM employer, 207
- Grazing Occultations amateur astronomy expiditions, 191-194, 192 (graphic), with D. Dunham, 196
- Habsburg, Jerri (Stefan's wife), 140
- Habsburg, Stefan MIT and GM Styling, (associate/design partner), 93; associate also of Karl Ludvigsen (at MIT), 97; closed door meeting with R. McLean and N. James, 102; adding three tail fins to Firebird III, 108; at Styling auditorium review with H. Earl, 120; planning and filming in Arizona, 129-133, 133 (photo), 138 (photo); Jerri (wife), encephalitis, 140; Epilogue: SAE paper with R McLean 207
  - ...Habsburg-Lothringen, Stefan Archduke of Austria (name and title), 93 (footnote)
- Hafstad, Lawrence GM VP of Research Staff (present at Motorama filming), 131
- Haji, Larry Pratt Inst. roommate, 68, 80 (photo)
- Hamilton Standards manufacturer of life support systems for space suits, 184
- Harding, Mr. high school shop teacher, 30
- Harper, Charlie GMDRL, engineer, 148,149, 151
- Hartwig, Edwin P. NY State Department of Vocational Rehabilitation - high school counselor, re Pratt Inst., 31; letter re Styling, 87 (incidental)
- Hayashi, John Pratt Inst. and GM Styling associate, 83
- Henelt, Joseph GM Styling clay modeler (Firebird II), 93, 99, 100 (photo)
- House, Mrs.- Detroit, landlady, 143
- Houston, Walter Scott S&T, writer; Stellafane judge, 199

- Hrabak, Joseph GM Styling engineer, 100 (photo)
- Hula, Otto Pratt Inst. furniture design instructor, 53-58 (teachings)
- Jaguar Type E GM Styling incident (in reference to), 141
- James, Basil author's father, 14, 35 (photos), 160 (photos), 172
- James, Costandina "Kocha" author's mother, 14, 35 photo), 160 (photo), 172, 197
- James, Ginna author's wife ('71-): Epilogue, 205, 210, LRV 25th anniversary reunion, 215 (photo)
- James, Herbert author's brother, (see) dedication, 14; 17, 27, 28, 29, 35 (photo), 49, 197, 208, 217 (photo of three brothers)
- James, Mary wife of Herb James, 32, 78
- James, Norm author; photos> early years & family, 35-36; at Pratt Inst., 80; Body Studio #3 (team), 100; PR photo, 101; "string drawing," 107; in Firebird III mockup, 114; in Research Studio, 117 (photo–foreground-left); with Firebird III, 138; in XP721 mockup, 163; at Stellafane, 198; at Lunar Rover 25th reunion, 215; with telescopes, 216; of three brothers, 217
- James, Peter brother, 14, 17, 27, 35 & 36 (photos), with family, 160 (photo); 208, 217 (photo of three brothers)
- James, Robert brother, deceased at age 1, 14
- James, Susan Connor (author's wife '62-'71), 201, 203, 205
- Jordan, Charles "Chuck" GM Styling, 84 (later- GM VP of Styling)
- Kadar, Menyard Case Tech & Western Reserve (fencing coach, re Herb James), 208
- Kane, Mrs. landlady, Brooklyn, NY; 33-34, 39
- Karsh, Herb GM Allison; Surveyor soft lander proposal team leader, 141-142
- Kavanaugh, Gere GM Styling associate, 156

- Kenny, Sister (method) polio treatment, 19
- Kidasako, Eddie GM Styling associate, 99
- Kolli, Robert Pratt Inst. 2D instructor, 39, 41-43; Dept. Chairman, agreement with, 96
- Kolonkia, Sevil friend of Susan Connor in Detroit, 160, 164; in Santa Barbara, 165
- Kostellow, Alexander Pratt Inst. ID
  Dept. Chairman and mentor, 37;
  interview with, 38; color class, 4446; ID overview, 51-53; drawing
  techniques, 59-63; empathic sketching,
  63-65, 64 (sketch); abstraction, 66;
  class-side manner, 66-67, 73-74; at N.
  James interview with W. Mitchell, T.
  Christiansen of GM, 77; in Detroit, 82;
  meeting with N. James, 87; death of, 87;
  author's recollection of, 214
- L-1011 Tri-Star (design of, at Lockheed) Epilogue: Sundberg-Ferar job offer, 203
- LaSalle II (sedan) Motorama show car; author's first GM assignment, 88
- LaSalle II (roadster) Epilogue; revisted (in restoration), 212
- Lathers, Mike GM Styling associate; lead AutoLine film project, 161-162
- Los Angeles Astronomical Society (LAAS) - Mt Pinos Star Party, 195; Spheremount - first public showing, 196 (photo)
- LSSM Pre-Apollo lunar rover studies, 184-190 (drawings and photo)
- Ludvigsen, Karl MIT, Pratt Inst. and GM Styling, 97,140
- Lunar exploration vehicles (early) conceptual design studies, 155-156 (illustrations)
- Lunar Roving Vehicle (LRV) Apollo: 25th anniversary reunion, 210; with G. Bekker, F. Pavlics and S. Romano, 215 (photo), see also front cover (photo of same)
- Lunar Sample Return Detroit, 145; Santa Barbara, 149-151 (illustrations); footnote, 158

- Lunar surface /understanding of theories discussed in Harold Urey and Tom Gold letters; "gold dust," 148; SLRV design for, 170-171; lessons learned Ranger, 173-175 (photos and graphic representation), 175; lessons learned Surveyor, 175-176
- Lunar vehicle concept Pratt Inst. (pre GM) study for Pratt design class, 81 (illustration)
- Lunar Wheel and Drive test, 188-190 (photo and illustration)
- Mackintosh, Allan amateur astronomy, author and editor, Stellafane judge, 199
- Madler, Niel GM Photographic (photographer of photo on page 114) NOTE: N. Madler was erroneously identified as the photographer in the May 2007 and Oct 2007 releases of "Of Firebirds & Moonmen." Corrections made in Apr 2009 release, (see Chuck Ternes)
- Mathews, Eddie GM Styling clay services, "fly on the wall," 94
- Mc Lean, Robert F. GM Styling, 11, 100 (photo); Firebird (I), 93: Firebird II, 94, 96; DeLorean, 95 (footnote); Firebird III, "Kick-off," 102; briefing to H. Earl, 103-104; OK for second mockup, 109; presentation to H. Earl, Buy-off and "go to clay," 113-115; conflict with design committee, 119; presentation to H. Earl - "put it back to the way it was," 120; meeting with Maurice Evans, 124; Motorama filming - Arizona, 138 (photo with H. Earl); under W. Mitchell, 139, meeting with G. Bekker, F. Pavlics and N. James, 144; in XP721 mockup 163 (photo); N. James request for transfer and with Gladys McLean (wife) goingaway party, 164; reference to SAE paper presented with S. Habsburg, 207
- McNamara, Mary GMDRL secretary to Sam Romano, 203
- McNeil, Russ amateur astronomer, 192
- McPherson, Vince Pratt Inst. and GM Styling, associate and Detroit roommate, 96, 161
- Miller, George author's uncle, 14

- Mitchell, William "Bill" GM Styling H. Earl's "right hand man," recruiting at Pratt Inst., 77; with H. Earl, 92 (humor); with design committee on Firebird III, 119; as GM VP of Styling, 139; lengthens Stingray hood, 141
- Mitzelfeld, Thomas Engineering Staff (responsible for Firebird III APU), 124
- Mockup full scale wood representation: Firebird III, 112-114, 114 (photo with author); XP721 line drawings and mockup, 163; Epilogue - reflection on the Firebird III mockup, 212
- Moholy-Nage and Mies van der Rohe of the Bauhaus School of Design - A. Kostellow's brief history of Industrial Design, 52
- MOLAB Boeing/GMDRL design for lunar mobile laboratory, 176-179 (drawings and photos)
- "Moonmen" Bill Mitchell's negative reference to Research B Studio team and "theme" adapted for this book's title, 141
- Moore, Hal Director of Firebird III Motorama film; Detroit, 126-127; Arizona, 129, 133 (photo)
- Motorama a GM promotional venue of the 1950s; overview, 88-89; H. Earl's description of, 103-104
  - Motorama Filming Detroit, 126-127; Arizona, 129-130, 133-138 (photos)
- Mott, Stan GM Styling associate, 82, 85
- MTA MOLAB Test Article, 178-179 (incl. photos)
- Nakata, Alan "Al" Pratt Inst. and GM Styling associate, 83, 142
- Negative space a design and sculptural concept, 72-73; as applied in Firebird III, 110-113
- Nike surface to air missile inspiration for Firebird III (quad fins), 105-106
- Norton, Eric Pratt Inst. and GM Styling, roommate (Brooklyn and Detroit), 39, 80 (photos); ...and throughout Chapters 2 and 3
- Ohman, Ms. Jamestown; nurse applied Sister Kenny polio treatments, 19

- Olsen, Carl Pratt Inst. and GM Styling, roommate (Detroit) and with Sonia Olson (wife), 142; Epilogue, dinner with Porters, 210; at Eyes-on-design benefit, 211; post GM - Professor Emeritus CCS, re Firebird III, back cover
- Panzarella, Mr. Jamestown, influential high school teacher, 30
- Patents Firebird III (Design), 132; telescope mounting, 201; lunar rover wheel, 210
- Pavlics, Ferenc GMDRL LRV designer, 144, 148, 178 (photo), 186, 210, 215 and front cover (photo with G. Bekker and S. Romano)
- Peterson, Robert "Bob" GMDRL associate, 188-190, 210, 215 (photo, including Clair Peterson (wife) and Chris Peterson (son))
- Pirkl, Jim Pratt Inst. and GM Styling associate, 99, 124 (footnote), 142
- Plaster model making (Pratt Inst.), 53, 65-66; Firebird III tooling, 122 (photo); for telescope making, 182-183 (illustration)
- Polhemus, Marlan Pratt Inst. and Harley Earl Assoc., roommate (Detroit), 99, 142
- Porter, William "Bill" Pratt Inst. and GM Styling associate, 209; and Pat Porter (wife), 210; "milk truck analogy," 213-214
- PPS—Post Polio Syndrome affecting polio survivors, 208
- Ranger JPL hard lander program, 173-175
- Reed, Rowena (Kostellow) Pratt Inst., sculpture instructor and mentor, 59
- Regner, Peter "Pete" Pratt Inst. and GM Styling; Detroit roommate, 83
- Rigby, Ivan Pratt Inst. 3D instructor, 39-41
- Rocketry (match head) early years recreation, 27-28, 36
- Rohr Industries Epilogue reference, 204; future employer, 205-207 (later becoming Goodrich Aerostructures)

- Roland and Molly (Bay) uncle and aunt, 32, 33; 35 (photographer); visit, 200; Rolando and Louise stage names, 33
- Romano, Sam GM DSD (Detroit), 144; GMDRL, 177 (SAE paper), 191, 204; Epilogue – 25th anniversary reunion, 210; LRV project manager, 215 and front cover (LRV photo with F. Pavlics and G. Bekker)
- Rose, Mauri GM Engineering Staff, 131; 132
- RTMC Riverside Telescope Makers Conference, 205
- Russinoff, Elia Pratt Inst., 59, 69; GM Styling associate, 77-79
- Saarinen, Eero Architect, in reference, 98
- Schlack, Don GM Styling wood worker, 113
- Sculpture 3D, 69-73
- Semo, Spiro and Sanda uncle and aunt, 14; 16
- Semo, Peter and Paul sons, 14
- Shaka, Van Jamestown (brother) Herb's friend, 22
- Shinoda, Larry GM Styling associate, 99; Stingray "long hood," 141
- Siebert, John DSD associate, 153-154, 157, 158; GMDRL, 166
- Simi, Larry GM Styling clay modeler (Firebirds II & III), 100 (photo), 115; 117 (photo - near), 119, 120
- Sketching (author's message), 214
- Sky and Telescope magazine (S&T) references to, 22, 23, 194, 199, 201
- Solar eclipse, partial event, 158
- Space sketch "Rowena Reed style," 69-70, 112, 121
- Spheremount telescope mounting invention; inspiration for invention, 145-146 (illustration); concept defined, 164; prototype initiated, named and tested, 180-182 (illustration and photo); turntable set-up for 24" diameter plaster sphere, 182 (illustration); telescope design, 194 (cut-away drawing) to196, 198 (photo); at Stellafane, 198 (photo)

- and text to 200; Edmund Scientific visit, 201; Epilogue patent reference, 201; Summary, 205
- Stellafane Springfield, VT; amateur astronomy venue, 23, 191, 198 (photo at), 201, 205
- Straubach, Fred amateur astronomer, 194
- String Drawing technique, 106-109, 107 (photo)
- Sundberg, Carl main partner of Sundberg-Ferar, Industrial Designers, 203-204
- Sundberg-Ferar Industrial Design firm, 84, 161, 203-204; Epilogue, 205
- Surveyor JPL soft lander program, 175-176
- Surveyor Lunar Roving Vehicle (SLRV) proposal, 167-172
- Swanson, Ronnie high school classmate, 29
- Takeuchi, Wayne GM Styling associate, 92, 93, 100 (photo)
- Telescope making avocation, 23-27, 28-29, 180-184 (photo and illustrations), 216 (photos)
- Ternes, Chuck GM Photographic, 129, 131, 133 and 138 (photos)
- Thiele, Walter GMDRL design engineer, 190
- Torner, Charles "Chuck" GM Styling associate, 163 (photo)
- Turunen, William "Bill" Research Staff, head of turbine lab, 124, 134 (photo)
- Voight, Byron GM Styling engineer associate, 93
- Waldorf Astoria in reference to, 97, 103, 124
- Wheel and Drive test, 189 (drawing), 190 (photo)
- Willard, Bert amateur astronomer, 194, 198
- Wolfe, Harry Motorama film cinematographer, 126,129, 133 (photo)
- Wozena, Pete GM Styling studio head, 88, 89

X-33 Program - Lockheed-Martin; Epilogue: with Rohr as a team member for the Thermal Protection System (TPS), 206-207

XP500 - made using a spare Firebird II body shell, 95 (footnote)

XP721 - Research Studio study, 162 (sketch), 163 (line drawings and mockup photo)

XP-73 - see Firebird III

Zeisel, Eva, - Pratt Inst. ceramics instructor, 53