

Stoked-n-Board™
Surfing Heritage Foundation
 FINS BY DESCRIPTION
 (Updated: 12/2010)

Following is an alphabetical listing of fins by descriptions. The era of each may extend past the noted dates and some even up to the present. Images are representative and may not include all minor variations. A chronological list of template follows this section.

- FIRST: Tom Blake **Figure 1**..... c 1935..... c 1935
 ASYMMETRICAL PLACEMENT:
 Single asymmetric: **Figure 2**, Ernie Tanaka..... d 1967..... c 1980's
 Multiple asymmetric: **Figure 3**, Peter Townend, Peter Drouyn. c 1981..... c 1981
 Re: Surfing V17#6P27, see also 'Control'.
 BEADED: **Figure 4**..... d 1960..... present
 BOLT-ON: **Figure 5**..... c 1960's..... c 1960's



Figure 1

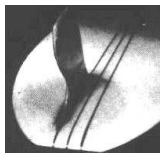


Figure 2



Figure 3

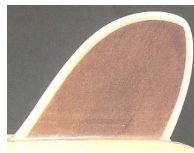


Figure 4



Figure 5

- BOTH ENDS: Removable:..... d 1968..... d 1968
 BREAK-AWAY:
 Snap in, 6 pressure points held fin in. d 1964..... c 1960's
 Slides into an aluminum channel: **Figure 6** c 1960's..... c 1960's
 BUTTERFLY: Bruce Vann. d 1979..... c 1980's
 'CALIFORNIA TWIN' aka '2-1/4': large side, small center (Beatty). c 1975..... c 1980's
 CONTROL: 1 + 1 side , **Figure 7**, Photo: Surfer V6#5p33. d 1965..... d 1965
 NOTE: Not known to be a production series.
 CROSSED, or 'X': by Race: **Figure 8**. d 1991..... c 1990's
 CURVED SIDE: Bottoms design patent #397,394. c 1997..... present
 FIN GAGE:
 Embossed in fin box. (Variset W.A.V.E. Set) **Figure 9**. d 1969..... d 1969
 Rice paper ruler laminate glassed on next to fin box. (Harbour). c 1998..... present
 FLEXIBLE: c 1967..... present
 Jeff Ho: **Figure 10**, Note the slots in the trailing edge for flexibility c 1974..... c 1974



Figure 6

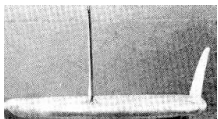


Figure 7



Figure 8

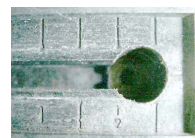


Figure 9



Figure 10

- Edge: by Proteck **Figure 11**. d 1997..... c 1997
 Fish Tail by Innovative Design: **Figure 12**..... d 1977..... d 1979
 Flexible urethane with a stiffening fiberglass support from the base up through the leading edge, see Surfer V18#6P93
 FLOATING: d 1964..... d 1979
 FLOW-THRU:
 White Owl: **Figure 13**..... c 1966..... c 1960's

Unknown: **Figure 14**..... c 1960's..... c 1960's
 Millennium: **Figure 15**..... c 2003..... c 2000's

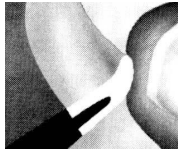


Figure 11

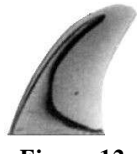


Figure 12



Figure 13

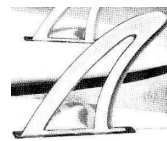


Figure 14

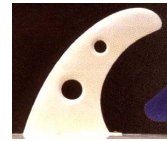


Figure 15

FOAM: (Ole) d 1962..... d 1964
 Fiber core (Seawing). d 1974..... d 1974
 Resurfaced. d 1979..... present

FOIL:

Adjustable: Ekstrom ("Fin Foil") **Figure 16 to Figure 17**. s 1968..... x 1968
 Foils were pivoted on leading bolt with a wing nut adjustment on the trailing bolt to modify the angle of foils to enhance noseriding characteristics. Made of gold anodized 6061 T-6 aluminum.

Fixed, molded wings, floating: (Surf-Lock Fins) **Figure 19**. d 1979..... d 1979

GLASS: (Joe Quigg). c 1947..... present

GLASS, beaded: c 1963..... present

GLUE ON: by Link Fins, **Figure 20**. d 1972..... d 1972

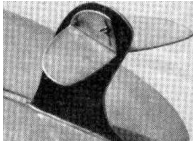


Figure 16

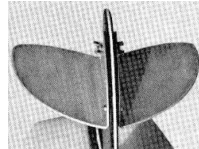


Figure 18

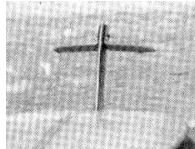


Figure 17

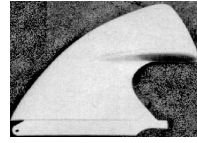


Figure 19



Figure 20

HARDWARE:

"Barrel Set Screw"

Figure 21, originally called 'Wonderbolt', enlarged head. d 1967..... c 1970's

Figure 22, "Weber Performer", straight shank. c 1966..... c 1968

This set screw had holes around the head to insert a tool for tightening and a dimple in the end of the head corresponding with a button on the trailing end of the box. The leading edge of a fin had a tab that fit into a notch in the front of the box. After inserting the fin, the screw was backed out and up against the back of the box to lock the fin in place. Later versions had a bolt in each end allowing for variable fin placement.

"Fin Cam": **Figure 23**, by Surf Technology, no tools needed. d 1979..... d 1979

"Wonderbolt": **Figure 24**, Incorporated eye for leash, stainless steel or brass. d 1974..... d 1979



Figure 21



Figure 22



Figure 23



Figure 24

HINGED:

By Switchblade. s 1998..... c 2000's

Fin is hinged several inches above the base, **Figure 25**, and is able to bend both ways, **Figure 26**.

HOLLOW:

Core: WAVE Set. d 1970..... c 1970's

Resurface. d 1999..... present

Jet Ducting: **Figure 27** (AKA 'Section' or 'Template')..... d 1975..... c1977

Middle section of template cut out, developed by Randy Laine, manufactured by Rax Works?.

HYDRO WEDGE: screw fwd & aft , See also Hansen fins..... d 1968..... c1970's

INSET: (routed) d 1962. d 1964

MOLDED:

ABS: (acrylonitrile, butadiene & styrene) Greg Noll. d 1967. c 1980's
Polypropylene: d 1965. d 1965
Soft: (Zero) **Figure 28**. c 1990's. c 1990's

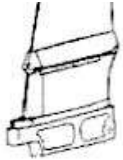


Figure 25

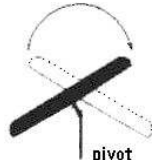


Figure 26

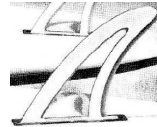


Figure 27



Figure 28

MULTIPLE:

2: Twin: Simmons. c 1953. present
2: Twin center (Thraikill), **Figure 29**. s 2000. present
3: Tri: (Lyman). d 1960. present
 Box (Hobie). c 1969. present
 Add by Wave Tools. c 1981. present
4: Quad: (Spitzer). d 1978. present
5: Sunset Point: **Figure 30**, 2 plus 3 trailing. 1988. present
 C-5 (Rusty) Tri plus pair of smaller leading fins. d 1999. present
 Note: Development was started in 1996.
 Blue Coil: **Figure 31**, 4 + 1 set up. s 2007. present



Figure 29



Figure 30



Figure 31

6, 8: Bruce Fowler. 1980's. 1980's
10: **Figure 32**, for Bob Crouse, see Surfer V36#10P188. c 1983. c 1980's

NOSE FIN: Gordie **Figure 33**. d 1962. d 1979



Figure 32



Figure 33

PLEXIGLASS: clear/colored (Con). d 1964. d 1965

REMOVABLE:

First known to date, **Figure 34**, non production (maker unknown). c 1953. c 1953
 Fin was inserted in a slot and held in place by some untreated exposed wood (wedges). When the wood got wet, it would expand and hold the fin in place. (Re: Surfer Photo, 1976, p 14 & column 2, para 3 p 15)
Slotted fin box (Olson, George). c 1965. c 1966
Production single (Hobie/Morey-Pope). d 1966. present
Double box, single fin: d 1968. d 1968
16" box (for Stingers). d 1978. d 1978
Tri-fin: (Presslock). c 1969. present

SINGLE TWIN: Inline fins (Doug Silva & Gary Beecher both claimed idea). d 1999. d 1999

SLOTTED:

Alfin: **Figure 37**, Narrow slot in front of trailing edge. s 1977. x 1983

Designed by Alfred Maldonado, custom made by the Fibre Glas Fin Co.
 Fish: **Figure 35**, Narrow slot behind leading edge..... s 1977..... x 1983
 Designed by Alfred Maldonado, custom made by the Fibre Glas Fin Co.
 Radial Flex: **Figure 36**. c 1974..... c 1974
 Straight (aka fin cuts): **Figure 38**. d 1978..... d 1980

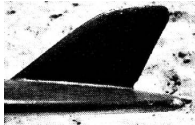


Figure 34



Figure 37



Figure 35

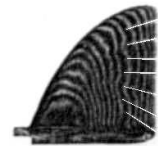


Figure 36

SINGLE/TWIN: Surfboards Australia. d 1971..... present
 SQUARE: mid 1930's..... c 1950's
 SWIVEL: by Waltie. c 1998..... present
 TEARDROP CROSS SECTION. d 1964..... c 1960's
 TILT OUT:
 2 degrees c 1960's..... c 1960's
 10 degrees: Greg Griffin. c 1980's..... c 1980's
 TUNNEL: See also Wishbone, page 4.
 Barrel near tip, experimental, one made: (Weber). s 1965..... x 1965
 Barrel near base, production: Greek Turbo **Figure 39**..... s 2000..... present
 Square: by Tunnel Fins: box mount, **Figure 41**; glass on, **Figure 40**. s 2003..... present
 V-Fin: Velzy **Figure 42**, later version. c 1954..... c 1970's

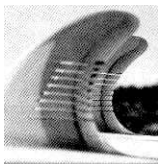


Figure 38



Figure 39



Figure 40



Figure 41



Figure 42

V-Slot Cavitation Reducing. d 1964..... c 1960's
 VECTORED FRONT: Fat Penguin, **Figure 43**..... s 2000..... x 2002
 Note the small leading fins well forward of twins.
 WAKEBOARDS: **Figure 44** ("Inland Surfer" by Ventura Intl. Plastics). d 1964..... c 1960's
 WING:
 Horizontal fins at rails, **Figure 45**, **Figure 46** (Walden). s 1975..... present
 Horizontal, removable, **Figure 47** (Walden) Modified O'Fish'L. s 2001..... present



Figure 43



Figure 44



Figure 45

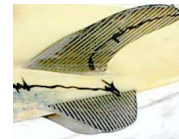


Figure 46



Figure 47

WINGED: Fixed wings on fin. d 1965..... end unk
 WISHBONE: Aka 'Tunnel' **Figure 48**. d 1963..... c 1960's
 WOOD:
 Ash d 1964..... c 1960's
 Marine plywood..... d 1964..... c 1960's
 Pine d 1964..... c 1960's
 Sandwiched wood: Mobley..... c 1966..... c 1971

Thin wood patterns were sandwiched between multiple layers of glass on each side. The final outline was cut leaving a built-in bead.

Solid: Tom Blake.....	c 1930.....	d 1964
Walnut	d 1964.....	c 1960's
Woodenglass, box: Bing.....	d 1971.....	d 1971
WOOD, laminated.....	late 1950's.....	early 1970's
Use declined with advent of removable fin, resurfaced.....	mid 1990's.....	present
Checked, double (Flaherty) Figure 49	d 1961.....	c 1970's
Checked or hundred piece, (Weber) Figure 50	d 1965.....	c 1970's



Figure 48



Figure 49



Figure 50

Diagonal, Figure 51	c 1960's.....	c 1960's
Rising Sun: also called Sunrise		
Figure 52 : single row, typical size: 9 1/2" deep, 11 3/4" base.....	c 1960.....	d 1962
Figure 53 : double row.....	c 1960's.....	c 1960's



Figure 51

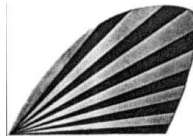


Figure 52



Figure 53

FINS by SHAPE:

Note: The following fins are listed primarily in chronological order of earliest known use first. Where multiple brands are cited, "*" indicates the one shown. Listings of fins with specific trade names may include subsequent modifications.

Figure 54 ; (Blake) From photo, Surfer V22#3P37.....	c 1935.....	early 1940's
Figure 55 : 'Radius' (Simmons) 3 1/2" deep, 13 1/2" base, Koa wood.....	c 1949.....	c 1953
Figure 56 (Strauch).....	c 1940's.....	c 1940's
Figure 57 : (Velzy) Early Hotcurls.....	c 1950.....	c 1954
Figure 58 : "Bat" (Fox, Archie).....	s 1952.....	x 1953



Figure 54



Figure 55



Figure 56



Figure 57



Figure 58

Figure 59 "Bat" (Hobie).....	d 1966.....	d 1966
Figure 60 :	c 1952.....	present
Figure 61 : (Fox, Archie / Velzy-Jacobs 8" deep, 7 3/4" base, Mahogany / Pro Box).....	c 1952.....	present
Figure 62 : (Ockanoie) From do-it-yourself plans. It is unknown if any were made.....	c 1952.....	c 1952
Figure 63 : (Simmons removable)..	c 1953.....	c 1953

4 1/2" deep, 6" base, marine plywood, wedge fit into channel.



Figure 59



Figure 60



Figure 61



Figure 62



Figure 63

Figure 64 (Cutlass). c 1955. c 1950's
 Figure 65: (Wardy). c 1956. c 1970's
 Figure 66 (coarse), Figure 67 (fine): Shark tooth edge. s 1957. x 1963
 Some of these bandsaw cut serrations were produced by Moselle and subsequently discontinued as a result of safety complaints. Authentication of originality is in the eyes of the beholder.
 Figure 68 (Inter Island / Chuck Bassett). c 1958. present



Figure 64



Figure 65

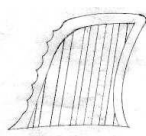


Figure 66

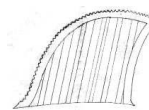


Figure 67



Figure 68

Figure 69: (Gordon Woods). c 1959. c 1970's
 Figure 70: (Velzy-Jacobs) 9 1/4" deep, 8 3/4" base, Mahogany. c 1959. mid 1960's
 Figure 71: (Mat Kevlin); 4 1/2" deep, 8 3/4" base, Teakwood. c 1950's. c 1951
 Figure 72: c 1950's. c 1950's
 Figure 73 (Mossell). c 1960. c 1963



Figure 69

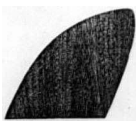


Figure 70



Figure 71

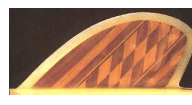


Figure 72



Figure 73

Figure 74: (Bing). c 1961. c 1960's
 Figure 75: (California Healthways). c 1961. c 1965
 Figure 76: (Bing). c 1961. c 1968
 Figure 77: (Flaherty). c 1961. c 1960's
 Figure 78: (Newporter). c 1961. c 1960's



Figure 74



Figure 75



Figure 76

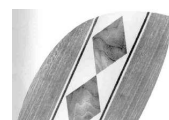


Figure 77



Figure 78

Figure 79: (Joly). s 1962. x 1963
 Figure 80: c 1962. c 1960's
 Figure 81: (Plastic Fantastic). c 1963. c 1964
 Figure 82: (Challenger East). c 1963. c 1960's
 Figure 83: High-drift: (Dave Sweet), 8" deep, 8" base, fiberglass. c 1963. c 1970's



Figure 79



Figure 80



Figure 81



Figure 82



Figure 83

- Figure 84; (Bing*, Skag). c 1963..... c 1960's
- Figure 85: (Felker). c 1963..... c 1960's
- Figure 86: (Bing*, Hobie, Pro Box). c 1963..... present
- Figure 87: (Jacobs). c 1963..... c 1965
- Figure 88: (Felker). c 1963..... c 1960's



Figure 84



Figure 85



Figure 86



Figure 87



Figure 88

- Reverse: c 1963..... c 1970's
- Figure 90: 12" deep, 12" base (Richard Deese & Tak Kawahara). c 1963..... c 1963
- Figure 89: (Allen). c 1960's..... c 1960's

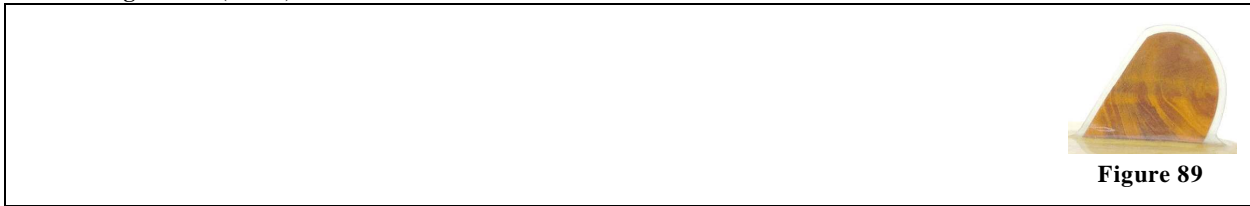


Figure 89

- Figure 91: Box mount (King). c 1970's..... c 1970's
- Figure 92: (Hobie*, East Coast): Foam and wood. d 1964..... c 1960's
- Figure 93: (Jeffrey Dale*, Roberts). d 1964..... c 1970's
- Figure 94: (Pacific*, Wardy). c 1964..... c 1966



Figure 90



Figure 91



Figure 92



Figure 93



Figure 94

- Figure 95: (Bing).. c 1964..... c 1968
- Figure 96: (East Coast, NC). c 1964..... c 1967
- Figure 97: (East Coast, NC). c 1964..... c 1967
- Figure 98: (Con Competition). d 1965..... d 1967
- Figure 99: (G&S*: Mike Hynson, Bing). d 1965..... c 1980's



Figure 95



Figure 96



Figure 97



Figure 98



Figure 99

- Figure 100: (Bing).. c 1978..... present
- Figure 101: (Malibu Plastics: Malibu). d 1965..... c 1966
- Figure 102: 'Dick Brewer' (Hobie). c 1965..... c 1965
- Figure 103: (Jacobs). c 1965..... c 1970's
- Figure 104: Cutaway, (Jensen). c 1965..... c 1970's



Figure 100



Figure 101



Figure 102



Figure 103



Figure 104

Figure 105: Greenough Stage 2: 9 3/4" deep, 9 3/4" base. c 1965. c 1968
Injected polypropylene by Morey's Ventura Skeg Works

Figure 106: (Bing, Banzai*). c 1965. c 1960's

Figure 107: (Greg Nol Mini Gun). c 1965. c 1968

Figure 108: 'Hatchet': (Weber). s 1966. d 1968
Retros: s 1993. present

Injected polypropylene, barrel set screw 10 1/2" deep, 8 3/4" base. Dewey Weber designed this fin primarily for function and to have a highly unconventional appearance. Due to the success and popularity of the Weber Performer, this fin quickly became an icon. Even today the sight of one evokes the Weber name regardless of who's board it is on.

Figure 109: 'Pivot' (Hansen Doyle & n 50/50). d 1966. d 1968
(South Coast). 5/d 1966. present



Figure 105



Figure 106



Figure 107



Figure 108



Figure 109

Figure 110: 'Speed' (Greenough) d 1966. c 1975

Figure 111: (C.M.E., Natural Progression*). d 1966. c 1970's

Figure 112, (Hobie).. c 1966. c 1969

Figure 113: 'Keel': Photo, Surfer V15#2P72; greater base than depth. c 1966. d 1974



Figure 110



Figure 111



Figure 112

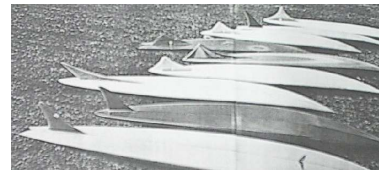


Figure 113

Figure 114: (Morey-Pope) 'Eliminator':. c 1966. c 1967

Figure 115: (Yater) Injected polypropylene, wonder bolt box. c 1966. c 1968
10 1/4" deep, 9 1/2" base

Figure 116: (Bing Glass Slipper*, Minard). d 1967. present

Figure 117: (Greek Maui). d 1967. d 1968

Figure 118: "Dorsal" (Con). d 1967. c 1976



Figure 114



Figure 115



Figure 116



Figure 117



Figure 118

Figure 119: (G&S, Bing*). d 1967. d 1968

Figure 120: (Hansen Hustler*, Bing Lotus). d 1967. d 1969

Figure 121: (Greg Noll 'Da Cat') Snap in, injected ABS, 9 3/4" deep, 9 3/4" base. d 1967. d 1968
Figure 122: (Hobie). c 1967. c 1970's
Figure 123, Figure 124: Flex (Roger Doucette). c 1967. c 1967
 9 3/4" deep, 7 1/2" base, high flex, laminated and foiled



Figure 119



Figure 120



Figure 121

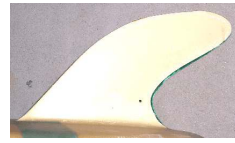


Figure 122



Figure 124

Figure 125: (Bing) c 1967. c 1960's
Figure 126: (Greek Tiger Tail). c 1967. c 1970's
Figure 127: Greenough Stage 3, 11 1/4" deep, 9 1/2" base. c 1968. c 1970
 Injected ABS by W.A.V.E. Set

Figure 128: Hy-Performance, 10" deep, 8" base, injected polypropylene. c 1968. c 1968
Figure 129: Fish. d 1969. present



Figure 125

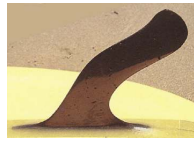


Figure 126



Figure 127



Figure 128

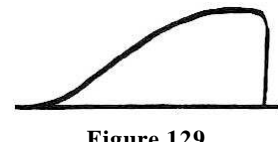


Figure 129

Figure 130: d 1978. present
Figure 131: (Hobie tandem). c 1960's. c 1960's
Figure 132, (Royal Hawaiian). c 1960's. c 1960's
Figure 133 'Knob': Phil (Downey). c 1960's. c 1960's
Figure 134: (Pat Curren guns). c 1960's. c 1963

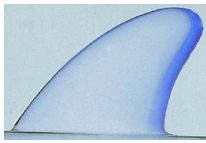


Figure 130

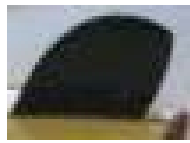


Figure 131



Figure 132



Figure 133

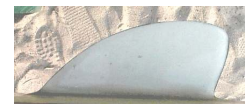


Figure 134

Figure 135: (Greg Noll film productions). c 1960's. c 1960's
Figure 136: (International) c 1960's. c 1970's
Figure 137: (Lanikai) c 1960's. c 1970's
Figure 138: (Dextra Healthways). c 1960's. c 1960's
Figure 139: (Dusty Rhodes). c 1960's. c 1960's



Figure 135



Figure 136



Figure 137



Figure 138



Figure 139

Figure 140: (O'Neill Intruder). c 1960's. c 1960's
Figure 141: (Bing). c 1960's. c 1970's
Figure 142: (Bunger 360). c 1960's. c 1960's
Figure 143: (Dextra). c 1960's. c 1960's
Figure 144: Greenough Stage IV, 9 1/2" deep, 5" base. c 1970. early 1980's
 Injected fiberglass reinforced polycarbonate by W.A.V.E. Set



Figure 140



Figure 141

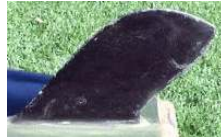


Figure 142



Figure 143



Figure 144

Figure 145: (Brewer), 8" wide base. c 1972. d 1977
7 5/8" deep, 5 7/8" base, 2 1/8" rake, 15/16" foil thickness, 12 oz, Variset box, injected lexan by Fins Unlimited, various transparent colors.

Power: (G&S). d 1972. 1970's

Figure 146: 'Bonzer': Australian slang for "bitchen". (Bing/Eaton): d 1973. x 1977
(Eaton): s 1974. present

Figure 147: 'Dol-fin'. d 1974. d 1977
Developed by Mike Hynson, patterned from a dolphin's dorsal fin ("Cindy" at Sea World). 6" deep, 6 3/4" base, 1 1/2" rake, 1" foil thickness, 12 oz, Variset box, injected lexan by Fins Unlimited, various transparent colors.

Figure 148 d 1974. d 1977
'Trailing edge' designed by George Downing. 9" deep, 6" base, 2 3/4" rake, 3/4" foil thickness 12 oz, forward screw hole, Variset box, injected lexan by Fins Unlimited, various transparent colors.

Figure 149: (Jeff Ho) 7" deep, 7" base, fiberglass. c 1974. c 1974



Figure 145



Figure 146



Figure 147



Figure 148



Figure 149

Figure 150: (Hawaiian Island Creations). c 1975. present

Figure 151: 'Fish Tail' c 1977. c 1979

Figure 152 (Diffenderfer). c 1970's. c 1970's

Figure 153: (Progressive Expressions). c 1970's. c 1970's

"F": non production. c 1970's. c 1970's

Scorpion: c 1970's. c 1970's

Figure 154: (David Nuuhiwa) c 1970's. c 1970's



Figure 150



Figure 151

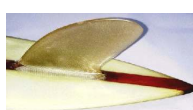


Figure 152



Figure 153



Figure 154

Figure 155: c 1986. present

Figure 156: Squirrel cutaway. d 1998. present

Figure 157: Wingnut cutaway. d 1998. present

Figure 158: (Sueno). c 1990's. present

Figure 159: (Chuck Bassett) c 2000. present



Figure 155



Figure 156



Figure 157



Figure 158



Figure 159

Figure 160: (Bing)..... c 2005..... present
Figure 161: (Pro Box)..... d 2005..... present
Figure 162: (Pro Box)..... d 2005..... present
Figure 163: (Pro Box)..... d 2005..... present
Figure 164: (Pro Box)..... d 2005..... present



Figure 160



Figure 161



Figure 162



Figure 163



Figure 164

Figure 165: (Pro Box)..... d 2005..... present
Figure 166: (Pro Box)..... d 2005..... present
Figure 167: (Pro Box)..... d 2005..... present
Figure 168: (Pro Box)..... d 2005..... present
Figure 169: (Mair Quad)..... c 2000's..... present



Figure 165



Figure 166



Figure 167



Figure 168



Figure 169