Outline of Seminar presented at 1992 IPMS-USA National.

## SUPERDETAILING

INTRODUCTION: Facilatator Jim Schubert; - IPMS-USA #2159 - Seattle Chapter DEFINITION: - How high is up? - Not "Out-of-the-box" - Whatever you want it to be - Why? ACCUERACY: Dimensions - Scale Outline Proportions Sections Sit - Including things that hang and droop: - Flaps - Gear doors - Elevators - Slats - Blow in doors - &c. and things that open: - Canopies - Cowl flaps - Inlet shutters - Doors - Service panels, access hatches, &c. Texture - Fabric, wood or metal? - Panel lines - Fasteners: screws, rivets, bolts, Dzus, latches, &c. - Holes, slots, louvers - Gaps - Inlets, scoops, outlets, vents, &c. - Gear covers/door segments, &c. - a bottomless subject - justify what you do! Color RESEARCH: Monographs - Monogram - Squadron Signal - Aero Fax - Detail & Scale - Profiles - Maru Mechanic - Koku Fan FAOW - NASM - &c. Books - Single subject books are best - IPMS publications Magazines

- WWI Aeroplane

- Skyways

- Aeroplane

- Scale Models International

- Fine Scale Modeler

- Windsock

- Flight International

- Aviation Week

- Interavia

- &c.

Files - Your own (share)

- Others'

Kits - Frequently a good source

Shows

- Keep these till last to fill in what is missing from your other research.

Walk around it - get a feel for it - photograph and measure it as req'd.

RECORD:

Notes
Sketches
References
Understand Your Subject!

CHOICES:

Subject - SPECIFIC! Have at least one adequate photo of your subject.

- Don't mix features, colors or markings of several subjects.

Paints/Mixes ( see earlier)

Markings

Kit - One basic kit or

Scratch Kitbash

Scratch Bash

Detail Threshold

hold Scratch Build - Scale drives this - the larger, the lower & v.v.

JUDGEMENT:

Review - Photos of models from your chosen

kit in magazines

- Kit reviews in magazinesTest - Rough assembly with tape

- Alignment

- Thickness of edges

- Sit

- Inner contours of canopy

- Details

- &c.

List - Corrections, additions, deletions

Decide - How to do them

- What you are going to

- open

- droop

- displace

- detail?

- Second kit for parts?

KEEP IT REAL! It must look like it could actually works if it was in 1;1 scale!

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- Kit(s)
EXECUTION:
                 Materials
                              - Paints/Mixes colors again!
                              - Decals
                              - Other: - Plastics
                                        - Sheet
                                        - Strip
                                        - Rod
                                        - Tube
                                        - Shapes
                                      - Metals
                                        - Brass
                                        - Aluminum
                                        - Copper
                                        - Lead
                                        - Steel (most metals
                                          available in sheet, foil,
                                          strip, bar, rod, tube and
                                          shapes)
    (Metal is excellent for small bits, struts, gun barrels,
    hidden spars to give strength to thin wings, LG legs, &c.)
                                      - Woods
                                         - Hard
                                          - Oak
                                          - Walnut
                                        - Medium
                                          - Bass
                                          - Cedar
                                        - Soft
                                          - Balsa
    (Hard and medium woods are good for hidden spars, internal body
    reinforcement, struts, propellers, &c.; balsa for forms & jigs)
                                      - Epoxy Putties
                                      - Fillers
                                      - Tape
                                      - Clay
                              - To establish:
                 Jigs
                                      - Alignment
                                      - Sit
                                      - Fit
                              - Use: - Grid paper
                                      - Angle blocks
                                      - Glass plate
                                      - Drafting triangles
                                      - Clay
                                      - Tape
                                      - Balsa
                  Seams
                              - Do I need to say anything?
                  Panel Lines
                              - Raised
                              - Recessed
                              - Scribing
                                          (Technique - neatness)
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COCKPITS:

Truss Frame
Monocoque
Modern

- Side walls

- Floor or no

- Bulkheads (No see through!)

- Seats, belts, &c.

Instrument/control panelsGlare shield, open/closed

- Controls: - Stick

RudderThrottle

- Prop

- Mixture

TrimFlaps

- Landing gear

- Canopy: - Crank

- Latches/hold opens

Hand holdsMirrors

**ENGINES:** 

FINE SCALE MODELER September 1989 (See through?)

WHEELWELLS:

Box In

- No see through!

Structure

Service Points

Details

FLAPWELLS:

Detail

- Inside of wing (No see through)

- Inside of flap

- Actuators

CONTROL SURFACES:

Detail

- Metal

- Fabric

- Control horns: - Rigging

- Fairings

- Displaced?

RIGGING:

- Wire

- Stretched sprue

- Monofiliment: - Leader

- Invisible thread

LANDING GEAR:

Wire Wheels

Brakes

- Drums

- Spot discs

- Brake lines

Struts

- Strength

- Details: - Torque scissors

- Compression jacks

- NLG steering

- Retraction jacks

AFTERMARKET PARTS:

- Photo etched metal

- White metal

- Resin cast

- Plastic

- Vac form

- Other kits

- Model railroad details - Model car details (PE wire wheels)

SCRATCHBUILT PARTS:

- Anything not covered above

KEEP IT NEAT, CLEAN, SIMPLE AND BELIEVABLE.

NEAT AND WELL DONE, IN GOOD ALIGNMENT, BEATS DETAIL EVERY TIME.

DO WHATEVER YOU DO TO PLEASE YOURSELF.

ENJOY 0