

The Day Journal of a sculptural project. To acquaint those interested with the problems, to provoke ideas and provide general information. "Overwritten" for the sake of general familiarization.

Feb. 6, Friday

Conference with Jack Park, and inventory, of sculpture.

1-Head of Puck-hyah-toot, unfinished (uncast) . 2-Alice Slim Jim Charley, portrait, rough cast in hydrostone. 3-Medicine Singer, rough cast in hydrostone. 4-Tommy Thompson, rough cast in hydrostone. Discussion regarding contemplated work. Photos, time, work and price formulas generally. Provided 10 pps of notes estimates including information from California foundry, result of day call to check mail answer which was incomplete. After departure, work on Alice SJC, patch air bubbles and begin plaster finishing. At the time of casting Bob R and Max F said not to continue finishing etc. until indefinite time. Night time.

5 hours

Saturday, Feb. 6- through early. More finishing on casts. Few supplies for studio. Work on base problem.

5 hours

Sunday, Feb. 7-Moses plaque which had been set up for display and which I had forgotten to lay flat slipped, shattered. Restoration will be start from scratch. More research on bases. Undercut Medicine Singer for fitting on base so braids will hang down. Three hour sawing job, almost like marble but brittle and subject to fracture. Patch air bubbles. Work on braids and hair with carving tools. Started day at 6, finished at 9.30. Rest periods and leisurely work.

One set of chisels dull already with half the surfacing. More and more looks like heads should be carried out in bronze.

Tax figuring , higher bracket, even draining into regular salary to make up taxes because of jump from 14 per cent to 27 per cent, so called JP to alert him to situation. No ans. so left call in.

G. to drugstore for supplies including 2 grades sandpaper for base to fit snugly, measuring and trying out wood base, center of gravity fair. Park returned call at 9 p.m.

14 hours

running total 24

Feb. 8 Day off work. Up at work, 7:30 a.m. Started retouching on Tommy T, Chief Kuni of the Wyampum of Celilo Falls who was a close friend of Puck-hyah_toot because of religious affinity and beliefs, and nearly 30 years older. He lived in the Celilo Indian village and died at 100 and over to his way of reckoning. Recalled: study of him from life, my second Indian portrait in the Northwest. In spite of knowing him, he superstitious at first, persuaded through his wife, as head took on likeness he asked if he could have it for his "tombstone." Little granddaughter, Linda, about 4, called it teela "grandfather" as it took on likeness. Sketch for it made in his home at Celilo, Flora, younger, wife, helpful. He was last true chief along the Columbia. He was source for non-anthro writer, Martha Ferguson McKeown who later married Marshall Dana, Portland editor. She wrote several NW books.

Tommy gave me his old Indian name when he took family name of Kuni about 1957, Ah-Newt like large stomach, capable of eating much, in reality a hungering for salmon all the time, worrying about their disappearance from the river with coming of Celilo Falls, The Dalles, Dam.

On trips to Celilo would usually take blankets, sleep on floor in Tommy's house (everyone slept on pallets on floor. Linda about 3 or four then. Have notebooks full of interviews, but Tommy talked best usually through interpreter, Flora, as head shaped up). Head was originally full bust, shoulders, "weight of river problems on shoulders, typical of posture. In original casting talks with B and M concluded to cut head, so if ever cast in bronze cost could be held down. Considerable cleanup necessary.

Now working some on one head, then on others, so as not to get lost in perspective.

Start, slow, sure augur, chisel drill in base of Medicine Singer for iron which will be pegged into block base for maximum security, plaster or bronze. Carving tools beginning to make palm of hand sore, use right and left hand both in carving, not left handed but natural in sculpturing and carving.

Preliminary mathematics on "S" corkscrew iron for fountain of armature, thank goodness not like Manca's American Battle Monument bronze, Eagle Descending, largest of 400 monuments in New York City, 33 feet 6 inches with black granite base, 300 pounds of iron pipe used in armature for it. Manca made 22 sketches, studied eagles in zoo and pigeons in Central Park before working out design. I was lucky, got right balance etc for Fish Fountain design after some 12 designs worked out. Manca took five years to complete the work unveiled in 1963, cast in 14 sections, then welded, piece by piece, required five tons of bronze.

Time off to shop for small gouges, drill, etc. undercut Tommy T to prepare for block, fitting base, worked on Singer's braids, patch air bubbles, work provision on Slim Jim's hair.

Finishing up good, turning into dramatic pieces, likeness of subjects and enough design in hair and general shape to suit me. Finished at 10:30 after gouging thumb ham with small chisel, but carvers usually encounter thousands of nicks in course of work, you learn to keep hands at "safe" position or else.

Hours 10

Running total

34

Feb. 9, Tuesday.

Tangled with A Slim's hair braids, considerable carving--on third set of small (Japanese made type) tools, work very well generally. Cheap. Easier than expensive tools and time, cost etc. of constant sharpening. More air bubbles uncovered. Hydrostone does not cast as clear as plaster in spite of more enduring advantages. Plaster is more "solid" or I used wrong water formula, hydrostone a little sensitive as to temperature of water, amount etc., all governs hardness, texture etc.

Wrote two supply houses for listing of non-cast materials for small figures, seems to be lacking on the market in spite of chemical development plastics etc. Ordered 10 pounds clay for fountain; worked on fountain armature base support, model. Well satisfied way plaster casts working up. Found hydrostone subject to more chiseling than mfg. advised. Started at 5, finished at 10

5 hours

Running total 44 hours

Feb. 10, Wednesday

Started on carving 8 x 10 and 4 inch thick piece of vesicular basalt (porus) for mounting base of T. Thompson. Grey-black color, carved out oblong for base to fit, 3/4 inch deep, then began drill hole through. Hole drilled in base of head. Safety support will be provided when 4 1/2 to 5 inch bolt 3/8 is counter sunk in bottom and run through into bottom of head, then set in stone mortar.

Marble and stone chisels worked fair on basalt, dull rapidly; wooden mallet, no fracturing. Same type of basalt used in some prehistoric Indian artifacts they pecked out by harder stones. Stone base from T T home along the river, "native stone."

Base should be suitable for bronze or hydrostone, though stone is not quite large enough, wide enough, not thick enough. Hole drilled three inches through with core drills. No other work tonight aside from some little research on fish, blacksmith and size and type of armature metal. (observation) time found to be running less than will be able to put in, even with "time off", this time could easily be maintained so time would run 45 hours or more a week, maybe too high but not considering time but getting something good done.

Vesicular basalt too hard for polish without much work and stone polishing tools, then perhaps "artificial" effect.

5 hours

running total

49 hours

Feb. 11

One hour on base work, rest reading up on stone, wood, start fish detail research.

1 hour

running total

50 hours

Feb. 12-

Carving Alice SJC's hair ,opened up few more air pockets. Before starting work took photos of four heads,called JP, wrote to founder requesting more accuracy on time to cast into bronze,thus, July,August or what for early November delivery. No base may be needed for ASJim; overhang on Singer may be too thin to establish center of balance through head,thinking about getting wood block cut so it can be polished.

G located net set of small hand tools for plaster work.Hope for 20 hours over weekend coming up.

6 hours, running total

56 hours

Feb. 13

Fill marked air holes, found pictures overexposed with flood light purchased to do the work, film too fast, Triple X, will ~~slow it down~~ speed it up to 50 and 100, close ap. move light back; light will help with another globe for close work. Began cutting another 1/2 inch from undercut of Singer to intaglio it into block; oak block experimental, have drilled hole through. Finish of heads in sight although you could keep on working ad. inf. on hair. To bed early

Total 4 hours

runnin total

59 hours

Feb. 14

Worked on all three, spelling off, spent most of morning fitting overhang cut-out braids on singer, sawing, sanding flush, filing to fit ,center of balance better.

Worked on braids of all three, nearly ready, brushing off with soft brush to remove hydro dust; worked shaping and grooving basalt base;

No sign of fracture; started on last set of carving tools, only three or four in shape set usable, rest sharp V gouges etc. impracticable. XSizing up Puch H for restoration of hand.

U-haul trailer maybe ok for transport fountain model, maybe as cheap to buy trailer, but head would separate in car, maybe trailer too; more sign of deterioration on head than I had realized although kept in repair; clay tacky in spots. Smith at foundry said they had studio there if work of restoration, day or so needed upon arrival. Considering gelatine mold for heads as insurance if something happens to them at foundry... just thoughts. NO commitments to foundry of any kind, just inquiries; no inkling to them of type of project.

If authorization comes through perhaps should send one head to foundry for good test. Problem to find suitable oak block. Have located heavy apple wood, problem to find sawyer or planer, lots of hand polishing then, no carving on base, inappropriate. Plenty of things still to be done. No wonder sculptors seldom have shows and then only few pieces. Have received invitation to show at 58th annual Indiana artists exhibit, May 16-June 13.

Maybe next year with duplicate, only duplicate that would be made, for my own, custom.

Total hours 13	running total	73 hours
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Feb. 15 Monday. Day off

Finished hydrostone casts or nearly so for founder or painter, except fine finishing which needs daylight or better lights, neutral, no shadows..two lights properly placed besides regular ones. These also for finishing PH¹ and especially fish. Heads finishing nicely, base work can proceed when type of final medium determined.

Begin on heavy wire (copper tubing) armature for PH hand, if no OK should proceed to finish restoration at my own if head is to be saved now, attempt piece mold too. But for careful storage, room temperature and frequent restorations, head would be gone now. Starting fish research, not too much on fish forms.

Wonder if any salmon in storage. Dropped note to JP re Grand Coulee and \$1,294,000 tour center; what an opportunity for state promotion, various centers offering much, what can be plan for such a sum, certainly not foolish enough to spend on buildings, which tourists can see in cities.

total hours 14

Running total 87

Tuesday, Feb. 16

Covered over heads to protect against dust. More research on fish.

Principal varieties, my lib. male species mostly, only. Chinook, Coho, blueback, humpy. Indians regard steelhead as salmon, the first to run in the spring, then the bluebacks, then the big Chinooks, then the humpies. Wrote to pr director fish and game (dept. of fisheries rather) inquiry availability of pictures, mail, female jaws, fins, distinctive in varieties

Preliminary sketch for wire model for iron worker, stair case spiral. Thank goodness don't have to start from scratch, have right angles etc. 5 feet would make base width 36 inches, too much to get through door, also perhaps too wide, adaptable. Max width of fountain 30 inches, again too much for right proportion, depends upon architect's base, hope it not common commercial type of fountain, slab rocks used all over, nothing distinctive in that tourist others can't see in home towns, gas stations, bank entrances etc. Base should have pool--river effect, rapids, turbulence, green-stone matching bronze, pool for four jets of spray onto fountain, flow of water from top not spray but small cascade of water; effect of climbing fish, ascending falls, art effect that is, not simulated, artificial effect. Core of wire mesh, burlap, slats etc. to lighten. Butterflies to hold clay, pipe to be drilled for butterfly attachment. Already wondering about California heat, any travel heat, but present quality of clay not tacky in heat, not over-soft

Finished hand armature for Puck H's hand and laid on some clay.

11th day. 6 hours

Running total

91 hours

Feb. 17

Attended Fort Simcoe board luncheon, board members meeting with Dick Clifton, designer for state parks and Lloyd Bell, interpretative services, who presented plans for Fort Simcoe museum remodeling, displays. Cases, figure high; colors to draw eye to follow pattern, special attn. lights. Woman at Seattle carves wooden figures for dioramas.

Ideas: National Park service, western division at San Francisco. Clifton says ideas, etc. there, that NPS figures on \$5,000 to carry out each diorama and that working with salaried employees. Said they should have much info on dioramas, materials etc.

Bell announced bids will be opened March 4 for Dry Falls State Park interpretative museum, estimated at \$100,000, to be opened next year. Will theme geology, sagabland development of region. Announced \$50,000 on Spokane House, final planning.

After meeting he asked me about Wheat Foundation museum at Ritzville, somewhat perplexed that museum foundation, which has appropriated one million for the Ritzville project, should have college students compete for design idea. Said a Mr. Jensen is the man at Ritzville representing the foundation.

He mentioned the need for a state-wide museum association, this is an idea I have presented on occasion to State Historical Society and to Pac NW History conference.

Neither he nor Clifton knew what Army Engineers plans were for theme or pattern for Grand Coulee's proposed \$1,194,000 tour center.

Received material from the east on Modollay, a drying, non-casting type for small sculpture, too expensive for large works, would run around \$10-20 for sufficient for good trial for small figures. Adaptability depends on whether clay is too much like wood putty to be modeled or worked as a sculptor works, photos indicate it is workable mainly with tools which would rule it out. Same firm has finishing materials.

Worked on Puck's hand, making it separately, anatomy coming along good.

Found sculptor 's and founders' scale for figuring work in my sculpture files. Puts five foot figure, preparatory to bronze casting at \$5,000.

Bronze casting is closer to \$2,000 than \$1,000 according to near as I can figure on scale.

Total hours 5. Running hours

97

Feb. 18

Bill Gannon came by office today, asked again about Col. River material said he saw very little, will keep eye open just to alert. Said paddlewheel used to be down near Patterson, on Washington side of River. Expected to be in touch later with fellow who has smaller dug out canoe, asked him to find out its history, cost etc.

Worked on hand, shaping up good. Getting some expression in it, almost ready for detail. Too tiring and perspective lost if too concentrated on one part. Three hours enough at one time. Spent rest of night researching on salmon. Plenty of opportunity here.

Pacific Salmon. Five varieties. Red, sockeye or blueback.

Oncorhynchus Nerka, average 7 pounds.

Silver, coho or medium red. oncorhynchus kisutch average 8 lbs.

Pink-oncorhynchus gorbuscha, average 4 pounds.

Chum or keta, oncorhynchus keta, average 9 pounds.

King, chinook or spring. Oncorhynchus tshawytscha average 22 pounds.

King, larger tail, flecked, back flecked, only ones with scales evident enough to figure in decorative pattern. Some with flecks, center line, mouth much like sockeye, fins different.

Red-More delicate and fish-like head, few center spots, lighter, tail severe lines.

Coho-Hooked upper and lower mouth, this also with "built for speed," chum.

Pink salmon, delicate mouth, smaller, sharp cut tail and dorsal fins.

Chum-Sharp cut, overhung mouth, curved lower lip. Red shadow-graphic side markings. Ragged fins. More taper. Sharper body lines.

Known to have existed 10,000 to 15,000 years before Christ. Found carved on red deer bone in Pyrenees of Southern France. Among Chinese, legendary fish with golden flesh. The kwei yu or Yangtse River salmon.

In the days before Caesar. 56 B.C. Roman legends in Gaul came to the Garonne and found silver fish, new to them, fighting upstream and the Romans named it Salma which name it yet bears, known to Pliny 77 A.D. who wrote that it was preferred to all the fish that swim the sea.

Known to be abundance in Ireland, England, Scotland and Wales, with settlements of America, found on the Atlantic in large numbers, staple food of Indians.

Atlantic salmon *Salmo Salar*.

Same in western Europe and British isles, now scarce. Still commercial in west. This because of conservation, propagation, fish ladders etc.

Chinook of the Columbia River, the spring salmon of Puget Sound. The king in Alaska.

The Alaska red salmon is the sockeye of Puget Sound and the Blueback on the Columbia. Blue on the back, above the silver.

Spawn, from Sacramento River to the Yukon.

Hook-snout, descriptive. What happens when provision for escapement is not made in dams. In Oregon at Cazadero Dam, built in 1910 on the Clackamas, the Chinooks, unable to ascend to spawn, disappeared. When spawning, nothing can turn them downstream.

Marketing identification (on cans) Chinook or king is marked chinook or king. Red or sockeye is labeled red, Alaska, red or sockeye, sometimes Coho or just salmon. Pink salmon usually labeled pink or sometime salmon. Most abundant on market, about one-half of the American pack consists of this species.

Chum or keta usually labeled c um and is the cheapest of all the salmon, principally due to the absence of the red color.

total 5 hours. Running total 102 hours

Feb. 19

Worked on heavy wire, model for fountain spiral, a little more slender than first model, not so much gross weight. Spent rest of time on Puck's hand, still rough and 3 fingers breaking, clay a little brittle. Need model to finish hand properly, ie, rope feeling. More slender, dehydrated with age. Finished up night trying to work out space age elliptical arrangement, banded around the last dodo drummer. This would be more than an Indian, the last of the old age Indians, Drummer belief, head uplifted with base of six broken drums surrounded, encircled by space age, electric power, atomic power, still feebly protesting with his drum song, the last of the river people standing against the new age, feeble, like man himself, the individual man, banded around now by strong ties of metal and atoms, with the universe itself..

Why not, for future planning, especially if the test center develops, what more appropriate and the art, academic, the man, and burnished aluminum band with "projectiles attached, interlooped circles, modern, space age crafts. Model would show to better effect than talking when it would be worked out.

13th day. 5 1/2 hours. Running total 108 hrs.

Feb. 20 Very little done. Mostly on hand, far as I can go until fitted. Checked Thompson, off base.

14th day, 2 hours, running total 113 hrs.

Feb. 21

Removed old part of hand and armature tubing. Experimented with fitting new hand. Some parts of old bust, clay getting extremely tacky, will be hard to handle and needs more replacement before casting. Checked some of old clay from previous casts, salvage dubious although tempting because of amount needed on fountain.

Could be inducive of trouble. Threw out about 20 pounds, just "glue".
 More sawing and sanding, T. Thompson's base, removed about two inches of it.
 Some more carving with stone chisels on basalt, cutting deeper fitting.
 Maybe no bass needed.

Recall Daniel Chester French ideas. Bronzes should not have wood or other bases, should be footed on bronze; as member of American Museum purchase committee he held up purchase of Arthur Putman's works for redo to bronze bases. Putman, Californian, San Francisco and San Diego, noted for animals, self-taught, went to Europe on trip provided by Mrs. Crocker, founder of Crocker bank, family, amazed Europeans. Roman bronze Works has most of Putman's casts or molds. Retired to beach at San Francisco after quake, became ill, "brain softening," and after inability to work was offered \$25,000 for fountain commission; fountains in San Francisco etc., Bohemian Club now.

7 hours, running total

running total 116 1/2 hours

Feb. 22, 16th day

Researched on fish armature, looked over supply catalogues, wrote to Bath, Maine Marine museum requesting loan of display cases, photos etc.; asked about any knowledge of Columbia River material; made clear tentative inquiry, ~~and~~ no specific thing in mind etc.

Went to work again on Chief Moses from "grund up." it comes along ok will cast it in hydrostone to release four or five pounds of clay for fish. Tomorrow big day at PUD, hope for general informative call from Park. So much to do and in reality so little time to do it. Such little realization of time, talent etc. necessary to produce really outstanding work. Such an opportunity for PUD to offer something outstanding and for such small cost compared with sculptural art charges. Moses has good start,

Little work on Puck -hyah-t ot 's hand, should be photographed this week. He has feeling too, difficult for portraiture to catch. ~~Wdx~~ But it is there. Preserved in bronze it will, in time, tell more of the man

and the river people, and the river too than a book, than any photograph or many photographs. Same with Alice Slim Jim C, and Tommy T; also Medicine Singer.

Total hours 7 running total 123 1/2

Feb. 23. 17th day (day off work)

Shopped for stand, small table, plaster spoons etc. in junk stores in afternoon; some work on Moses in morning and working plaster casts and hand. Letter from foundry: Re. estimate on timing, also answers regarding to base attachment on any cast head. Need at least 90 days from delivery of model, but better to allow more in event of casting difficulties (some bronzes have to be cast two, three, four or more times before suitable cast produced) Best to get started early in June for early November delivery because of vacation and production problems.

Uncovered more air bubbles in carving heads, repaired. Master artists of Europe frequently spent more time on carving and finishing plaster casts than for the modeling of them. Think it would be good idea to get one of the heads bronzed for sure test of competency etc. will go ok by express, booked. By getting them off early, first project could be completed and I could bring them home when Puck and fountain are delivered, then work out their mountings or attachments.

17th day 9 hours, running total 132 1/2 hours

18th day

Scouted lumber yards for odd ends, filler, for bases etc. for fountain; none large enough for solid base, cleat? Figuring in with design to cut down clay and weight; wire mesh too. Modern Planing Mill, am told, seems to be only place that might have oak or could cut heavy wood for base. Dug up well seasoned apple wood, will see if planing mill can put it through to specified block size. Should be finished checking now, been curing it for carving, several years. Hunted for and found strong "stand" low enough for fountain.

After dinner went to work on P h, fitting hand, have it removable, for possible separate casting, good start on it.

Clay order came through. Ordered 10 pounds as started, but only 5 sent with no explanation. Found also that same clay, came house etc. has increased 30 cents a pound ~~xxxxxx~~ in three years; too much of a climb, have to check into it. Would make difference of \$30 or more on entire piece. Have to have stiff clay to prevent it going sticky or tacky on trip or "with time" if held up.

Figuring on casting P in hydrostone, would weigh 200 pounds or more; have to have helper to work cast, just too heavy; also too large without armature or plaster would break down. Piece mold could be worked now that hand is worked out for separate casting but impractical, so heavy in clay. Bronze about only medium.

18th day. Seven hours. Running total 139 1/2 hours

19th day

Afternoon and early eve scouting lumber yards again, sec. hand stores and night stores for lumber bits, sawyer, iron and tubing tools and yet unfound tilted work easel bench and other work tables, cheap. No studio work. Scout for lights

0 hours running total same 139 1/2 hours

20th day

Work on hand, nearly ready; PH head, tacky clay, shoulder, hair, also chest and left hand; better light needed; some parts ~~might~~ daylight job; wondering about long haul for head; must contact Wenn again, see if in all Seattle there is not capable caster. Lots of bulk in head, maybe bronze would run up to \$475 or a little higher (Roman's estimate on it three years ago was \$750/ All founders want head on hand before gicing actual estimate.

20th day, 8 hours running total 147 1/2

Feb. 27

21st day

Worked on hand. Separated it. Then tried two piece mold, taking photos to show process of one small part of casting. Clay, strong tendency to sweat with casting plaster. First step was to dike up half of hand for pouring for mold, all afternoon and early evening. Mold came out good. Separated and made second half, used linsol for mold separator, cut pour hole, tied and then plugged seams with clay; poured with hydrostone, let set 40 minutes, not quite enough; had tendency to bind. Perhaps shellac would have been better for fine lines, better as separator; clay hand removed intact. Came apart with losing only two little parts and possible to repair and carve. Thumb broke, too much undercut; carved plug holes and filled with hydrostone, good bind. Dried out material would not permit bind.

21st day 7 1/2 hours, running total 155 hours

22nd day. Carved and worked on finishing cast hand. Cast second hand for backup and for painting experiment later. Don't know how paint and finishing takes on hydrostone, only plaster of Paris. One hour and one-half with thinner plaster.

Worked on butterflies and fish boards so clay will hold on fountain core. Used sweet oil for separator instead of linsol, about same results; perhaps bit more suction. Used staples, various sizes other boards. Easier to work with wire for butterflies than hard-copper-process.

22nd day, 9 hours, running total 164 hours

March 1-23rd day

Cut and tied butterflies, checked supply list, worked on Puck H.

Total 5 hours, running total 169 hours

March 2, 24th day

March 2 and 24th day since estimate talks began and since I actively began work on finishing heads, other preparatory work. Phoned JP today who said attorneys were on coast and would be back in two weeks so he could get them to write contract.

Said no reason I couldn't order supplies (second or third mention of it) ~~xx~~ and I mentioned contemplated risk, asked him why nothing in paper about project, said board had taken action, accepted project in total as outlined. Said I would get letter authorizing to proceed with bronzing and contract which was matter of outlining how I was to be paid etc. Rather difficult to work without definite deadlines, etc.

Alex Buck's wife called regarding ~~making~~ meat for feast, called game dept., and then called Alex at PUD, asked about canoe, he ~~xx~~ asked about petroglyphs, told him I would ask JP to see him and explain about them.

Scouting for tubing, shellac, separator etc. Mounted armature model for machanist, determined that they should get going on it soon as possible because of timing; finished sketch of dimensions etc. Wrote founder asking for some "evidence" of competency to be ready in case authorization for founding was obtained; or references as to works cast; pictures of works cast, returnable. Took progress shots; some work on Puck-h; got out mat lodge model preparatory to reconstructing it on plywood base but want first to determine necessary size, thickness of base, etc.

Ran through lists of necessary supplies which would cost minimum of around \$75 and require at least two weeks for delivery. Rechecked on clay order, found it is held up again, no explanation.. Three weeks and only five pounds, can't operate that way if get on deadline or construction schedule. Estimate sculptural clay, armatures for small figures, chemicals, tools and sufficient clay for fish fountain will cost approximately \$300; figure armature for fountain will run up to \$50, depending upon welding, only one place capable of turning it out that I can find; need lights, low stand and another work table. Evidence of style from poor lights...

Thoughts again: Mural, seems should include picture of naming of Priest Rapids, 1813 by exploration party, one of oldest place names in state, described in Ross Cox Adventures on the Columbia... Indian ashore, going through ritual (drumming?) explorers' canoe foreground.. also what an

opportunity for scene of "ancient people," the birds and animal people who lived before the Indians, preparing land for the coming of the Indians; who talked, acted and had characteristics of human beings; Speelyi, Coyote, others, basis for legends, stories for young and old; idea for future utilization, mural or diorama, the only one of their kind, meaningful.

9 hours today, running total

178 hours

March 3, 25th Day. Off regular work today, started at 6 30, usually at work at office before 6, never later than 6 sharp. Worked until 9:30 then downtown to check clay, take film, check for casting plaster, over to see McIlvanie at machine shop, delivered wire model and plans for fountain together with picture of sketch and went over plans, he estimated up to \$35, told him it couldn't be done on that with time required. He said few hours only, I said you ought to know. Arranged for welded metal base fixed on wooden base, handles on wooden base, screw -in handles for top, removable when finished and holes can then be plugged, but easier to carry, move about, etc.

Checked on Clay for sure, found JK Gill had gone up from 80 cents to 110 a pound. Determined to check other supply houses for comparable quality Took delivery on clay on hand, paid for it; finally located low, strong stand for fish fountain in back room of second hand store; also two other cheap tables, some other tools, mostly second hand; small spirit level, T-square, new type light globe; checked on lights, could find no neutralizer kind. Went over supply catalogues at home, ordered 5 pounds of cheaper clay from Sculpture House, n NY, country's top supply house for that kind of material, set specifications, also few heavier clay tools for larger work, center pointer calipers for accuracy, trial kits of non-casting material, 3 1/2 pounds gelatine for mold test, plastic or non-pouring material, total of \$40 worth of supplies; got 25 lbs casting plaster at \$2.79, chemical, shellac etc.

Spent 8 hours in studio at work, want to get as much cleaned

up and out of way as possible by few days from now when armature will be finished.

25th day, 8 hours, not including 6 for shopping and at machine shop)
 running total 186 hours

March 4

Machine shop called early to say armature man at work and it was too complicated, to come by and advise him. Went over to work with him, found old timer, capable of doing a good job, got swing of it. Armature working out better than any I have seen in large studios in the cities.

Afternoon consultation again, ordered installation of cross braces to relieve spring tension, and base board so it will go through door. May have to work upstairs in upstairs studio, which is ok because plenty of work spread out on heads downstairs. Ordered top half of S pipe cut and fitted in case of possible leeway emergency. OK'd welding of moveable side braces, to fit from top to bottom, bracing securely in trailer to insure better safety in transportation. When moved it will ride on four inches or more foam rubber base (no shocks in most trailers). Armature is turning out a beauty, will weigh about 40 pounds.

Saw Alba Shawaway and Nettie, they busy with Indian Trade Fair, expecting Kiowa Indian minister who collects Indian songs, tapes. Nettie is capable of sewing and beading models, small, asked if she could make small corn husk bags, thought she could.

If trouble with obtaining clay encountered perhaps some of PH, deep inside, will be satisfactory, provided he is cast and clay is freed. Afraid armature will run up around \$50 but cheap at that. Sculpture house charges \$18.95 for 36 inch almaloy armature and that ready-cut wire, base etc.

Seven hours Running total 198 hours

March 5

Went by machine shop ,afternoon to get armature, found it beautifully completed according to model,specifications, consultations. Total cost \$58.50,included eight hours at \$6 something an hour and welding supplies,wood base and fittings. Weighs 35 to 40 pounds, well braced and will allow for building up core to cut down weight and clay, got it home in back end of car (trunk)flat) but little too wide to go through door (base) except to turn on side; so sawed off couple of inches as want to be able to remove it , for sure, standing upright. Same problem with "low" basement stairs, so cleaned out studio 1, upstairs, laid down heavy paper and old rugs and installed it there, ready to go to work. Lumber yards and stores closed where half or quarter inch mesh wire is available; will need bigger assortment of blocks and small lath to build up core

Studio hours 4 running total 190 hours

March 5

Putterin, coming down with flu.Reading, working on notes,typing.

Same through 6,no good to try and work feeling like I do with flu.

Finished typing notes.