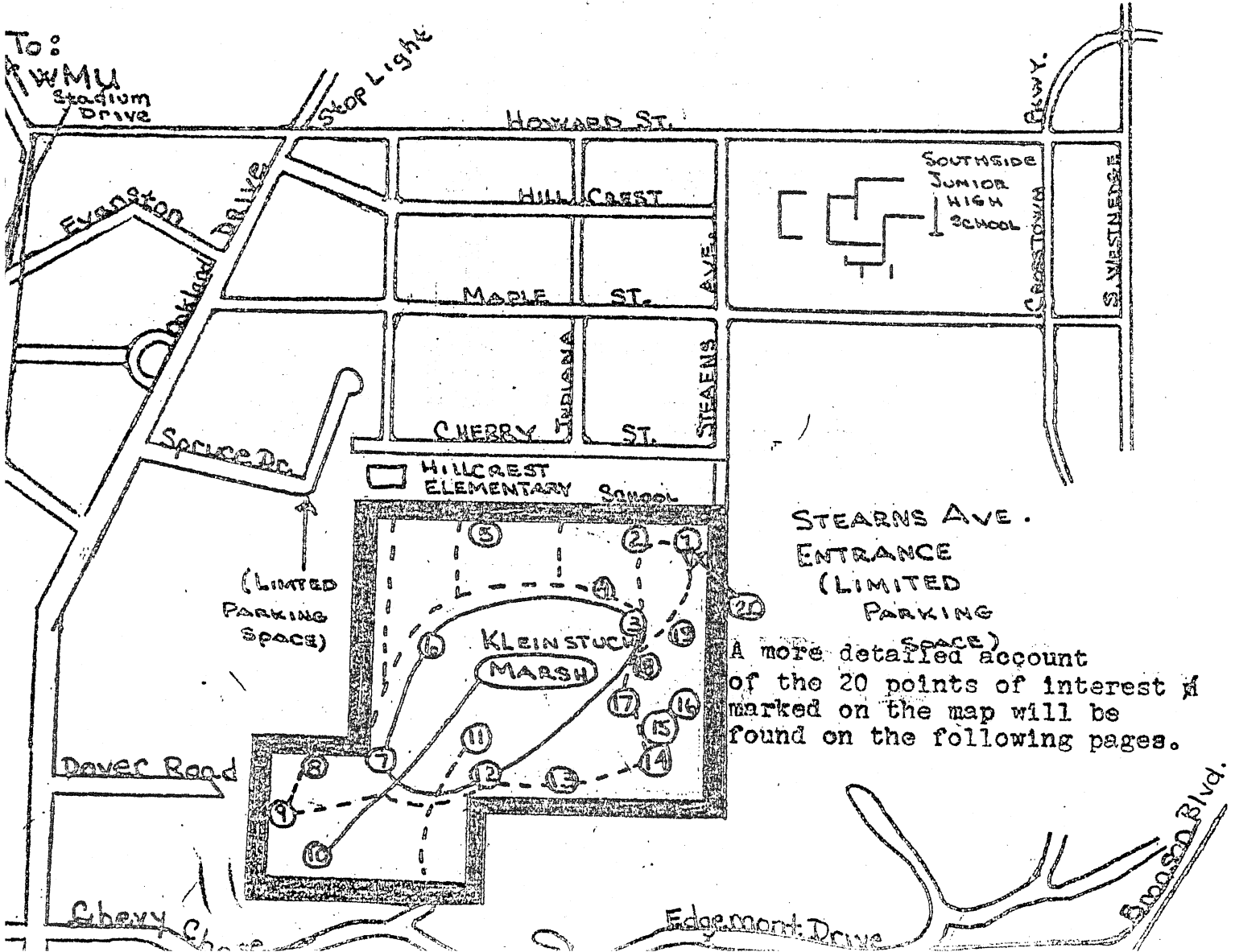
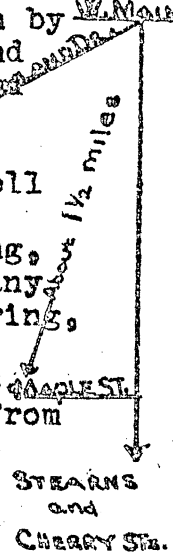


KLEINSTUCK NATURE PRESERVE

Widely used as an outdoor classroom and laboratory by students of ornithology, botany, outdoorscience, ecology and conservation, this 48-acre tract was given to the State Board of Education by ^{W. M. M. St.} Mrs. Caroline Kleinstuck to be used as a wild life refuge and sanctuary in 1922 and has since that time been maintained and administered through the Biology Department of W.M.U.

The area serves this purpose for small family groups as well as for larger classes from nearby schools and for troops of Girl and Boy Scouts and their leaders. Well suited for hiking, bird - watching, and for general appreciation of Nature at any season of the year, it is especially popular in the late spring, summer and Fall months.

Limited parking is available on Stearns Ave., on Cherry St. and on Spruce Drive. Permission for use should be obtained from Ray Deur, W.M.U. 383 - 1670 or from H.V. Bartoo, FI - 6450.



20 POINTS OF NATURAL INTEREST AND PROPOSED PLANTINGS AND CARE PROGRAM FOR
KLEINSTUECK NATURE PRESERVE (1964-69)

1. Entrance. Plantings with parking space. Plans for erection of suitable sign, plantings and concrete or stone steps off approach.
2. Evergreen woodlands planted 1927-Arbor Day (Pinetum) 3 types of pines, sparse shrubby undergrowth. Watch for poison ivy. Thinning is taking place.
3. Marsh over-look, to be filled in to make a natural amphitheater, an approach to the marsh meadow of ferns, sedges, poplars (aspens), willows, red osier dogwood, various quick growing annuals (maturing in a single season). Proposed planting of Tamarack (old stumps record their former presence here).
4. Dry, open sandy slope, with sumach, sassafras, thorny shrubs with berries. In July blue spider wort abundant, sometimes known as the "dayflower" because the flower last but a single day. Scouring rush is to be seen. Junipers are being planted. Bracken seen in good display.
5. Hillside plantings to be maintained by students of Hill crest Elementary School. Deciduous woodland with native wildflowers. (In area of woodland edge around playground, shrubby plantings for attraction of bird life of the area will be featured). True and false Solomon's seal, wild asparagus, Bracken fern, honeysuckle vines abundant. Trees, shrubs and wildflower plantings from seeds grown in classroom will be planted along the path, trail leading from playground to main trail around marsh. Suggested additions of Hepatica, Spring beauties, Violets from seed.
6. Marsh overlook show open water (ducks in season) with cattails, sedges, from here a distinct zonation of plants can be seen on the south side.
7. The Bald Cypress, the only one around of this size, apparently grown from seedling, stands here at the juncture of an entrance from Spruce Drive. Underneath is a thick growth of catnip, mother wort (both mint) Burdock, dock, true and false nettle and Bedstraw.
8. Old abandoned apple orchard. On left of path at this point is a thick growth of a vine, the wild yam. On opposite side of the path look for vines of Smilax-leaves somewhat similar, chief difference is in their fruits.
9. "Gully Wash" from Dover Road, result of serious erosion, still in evidence. A place for good conservation practice, plantings of leguminous vine (such as "Kudzu") vetch, suggested. Also trees which grow rapidly such as black locust, Ailanthus, Catalpa. Note how deeply the trunks of the elms have been "buried" by the soil.
10. White pine plantation (Pinetum). Serious erosion resulting from changed course of stream in this last year. Needs planting along bank. Suggested plantings of witch hazel, tulip tree, Sweet Gum and dogwood along base of present tree plantings, Ground ivy (Nepeta) along stream bank.

11. Stream leading to Marsh Meadow. Marsh marigold and skunk cabbage together with ground ivy (Gilliver ground) were transplanted there in 1962-63 from the spring area between 10 and 12, now bare, wide road path. Suggest seeding of banks of stream with ground ivy. Trees of Sour gum, elder berry, red osier dogwood would grow well here.
- 12.- Deciduous woodland, largely oaks. Some of the best display of wild flowers
13. show up here, such as : Jack-in-the Pulpit, Anemonella (wind flower) thalictrodes, tu~~e~~ anemone, Thalictrum dioicum, look for its two separate kind of flowers, staminate and pistillate, luxurious growth of wild geranium and even true bitterweet are also to be seen by the close observer. Suggested addition of redbud judiciously scattered on slope side. Shad Bush (Amelanchier canadensis), choke cherry, wild cherry on swamp side.
14. Beech-maple in best display here with spring flowers in fair numbers. Suggest planting of hemlock and yew on swamp side. Wild phlox scattering under beech-maples.
15. Path to Girl Scout Camp. Wild flowers, especially nice display of wind flower in spring. Could use violets, ground myrtle along path at top to check erosion.
16. Girl Scout summer camp site. Lupines are abundant, young pines about 3 yrs. old. Could use plantings of butterfly weed, pucoon, Butter and eggs, oxalis and vetch.
17. Deciduous woodland, largely oak and cherry. Undergrowth of maple-leaved arrow-root, also true and false Solomon's seal, violets, bellflower (even trillium has been seen here). Need additional planting-suggested addition along the path of Collinsia verna and dog-tooth violet from seeds and possibly also columbine from seed and wild rose along swamp side.
18. Wild Ginger, several large patches of this were rescued from the path of the bulldozer and transplanted to the higher slopes by classes in 1962-63. Grape fern and Bird-foot violet have been found here.
19. States Garden and Tree Planting. Proposed strip of about 600 ft. would allow about 20 ft. to each state. Suggested use of K.S. Taylor - A Traveller's Guide to Roadside Wildflowers, Shrubs and Trees of the U.S. Part II, pps. 73-170.
20. Fern and Club Moss Hillside. Plantings have been made here by members of Botany classes at Western, transplanting from areas where bulldozer is about to move in during widening of highway site.