

THE POTOMAC INTERCEPTOR SEWER

This is the second of a series of articles which the P.A.T.C. Conservation Committee has been invited to contribute to UP ROFE. These articles deal with devel-Opments affecting outdoor recreation and conservation of natural resources, particularly in the Potomac Valley.

When the huge Dulles International Airport was first planned for the vicinity of Chantilly, Va., athwart the Fairfax-Loudoun County line, provision was made for construction of a small sewage treatment plant to process waste from the installation. The effluent, or treated sewage, was to be discharged into a small creek which enters the Potomac upstream from Seneca, above the intake of the Washington water supply system and that of the Washington Suburban Sanitary Commission. Because of this threat to water supplies, as well as the likelihood that real estate developments Would occur in the vicinity of the airport causing additional sewage disposal problems, public pressure built up for a trunk sewer from Dulles to Washington or to a Fairfax County treatment plant near Alexandria.

Congress eventually authorized the District of Columbia Department of Sanitary Engineering to construct the Potomac Interceptor from the Dulles International Airport to Washington at a cost of about \$26,000,000. The route selected parallels Virginia

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Highway 7 from the airport to a point near Dranesville, where it cuts northeast to Great Falls, crosses the river, and follows the Chesapeake and Ohio Camal down to the city where existing trunk sewers will transport the waste to the D.C. sewage treatment plant at Blue Plains.

Where it crosses the Potomac just below the water supply dam at Great Falls, the interceptor is laid in a trench in the riverbed. From the Maryland end of this crossing to Cropley (near the Anglers' Inn) a tunnel has been bored to preclude construction scars in the scenic Great Falls-Widewater area. From Cropley to a point near Cabin John the sewer follows the right-of-way of the George Washington Memorial Parkway near the C&O Canal, then actually enters the bed of the canal (close to the berm side) to continue down to Georgetown. The crushed rock piled along the towpath at the lower end of Widewater was removed from the tunnel and will reinforce the towpath embankment against washouts. Placing the interceptor in the canal below Cabin John is necessary to prevent marring the area between the canal and the river. At present the canal is drained below Widewater; below Cabin John its bed is being drastically disturbed by construction machinery but will be restored to approximately the original condition.

Pending completion of the interceptor, three lagoons have been built at Dulles to permit natural oxidation treatment of the relatively small amount of waste now emanating from the airport. Since construction of the sewer is well advanced, this temporary method will not have to be continued long.

While not part of the present construction project, it will be feasible for a spur sewer to be built from Seneca (or above) down along the canal to Great Falls and for a similar spur to be built close to the river on the Virginia side. Any riverside sewer line is bound to have an unfavorable impact on the scenic upper Potomac Valley. Yet sewer systems normally depend on gravity flow and natural drainage is of course down the tributary stream valleys, thence down the main river. As long as county authorities preserve rural-type zoning with large lots, waste disposal can be cared for by septic tanks. But as pressure from subdividers becomes greater, zoning will very likely be modified to permit denser population, and then public water lines and sewers will be necessary.

Let us not lose sight of the fact that the purpose of trunk sewers along the Potomac is to keep the river free from pollution, even the relatively small amount contained in highly-treated sewage plant effluent. We need a clean river for swimming, boating, and fishing, as well as for aesthetic reasons. The demands of water conservation of scenery and the natural environment, and compromises have to be made. The cooperation between the D.C. Department of Sanitary Engineering and the National Park Serivce in minimizing the impact of the Potomac Interceptor on our beautiful river valley illustrates the sort of solution which can be achieved.

> Philip J. Stone Chairman P.A.T.C. Conservation Committee

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ACCIDENT INVESTIGATION REPORT

On Sunday May 19, Allnutt, Faulhaber, Nolte and Worrell attempted to recreate the conditions which resulted in the April 28 Annapolis Rocks accident. Conditions were not fully duplicated, but the rope showed some cutting after a swing similar to that which Faulhaber had. Al Klovdahl has outlined procedure for completing investigation. Ed Worrell Volume XVIII Number 6

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Dr. Samson Goldin

Goldin died suddenly in a car accident last month. Sam climbed with us in 1959 and '60. He held a First Aid course for us and contributed frequently to <u>UP ROPE</u>. The impossibility of reducing to a few words the personality of a friend like Sam is obvious. Perhaps we can stir a ive a few memories by reprinting an article he wrote for <u>UP ROTE</u> in December 1959.

THOUGHTS ON DESCENDI G INTO SCHOOLHOUSE CAVE FOR THE FIRST TIME

For weeks I had resisted. Crawling through tortuous spiky passates lubricated with icy water and clay did not apperl to may craving for the caviare life. Glissading down a mud slope; it sounded revolting and a trible obscene. I am all for the salubrious bourgeois life and care not for the murky, miserable caves, and yet they kept on persuading me, coaxingme, wheedling me; proferring me helmets, lamps, carbide, sleeping bags, blankets, air mattresses. (No, not air mattresses - the cads.) Strangely, uncannily, I succumbed - bedevilled? My Thanksgiving Day weekend and I was petrified; so scared.

T'was at the very witching time of night when the gnome* and the harpy* descended through the mouth and up the gullet of this monstrous, petrified whale, stranded in some ancient pleistocene age and silted over with the carnage and catabolism of the centuries. Enshrouded in a veil of their own congealed breath, they met the main body of their party already cocooned for the night in the antechamber.

Many sleepless hours later (no air mattress - curses), I stood On the lip of the jumping off place staring into the Stygian darkness. I do not intend to give a description of my journey to the very end of the Great Gallery - and back, but instead to drop a few choice thoughts of my impressions. (That b..... editor; what an assignment.)

As Alan and I decided, one has to be prepared to sacrifice comfort for the sake of adventure and I suppose the Tom Sawyer in us never grows old, only inform. Climbing in this cave is an ad-Venture especially to my untutored eyes, but if I ever return I Would like to be less intent on reaching the very end of the cave and would prefer to have more leisure to get off the beaten track, if that is possible. There are one or two suggestive shadows which aroused my curiosity. To explore unknown ground is very exciting for some of us. I suppose it is the urgings of an intense but disguised embition that spurs us on. We wish to conquer - fear? giants? We desire the fame in posterity of giving our name to some spot.stature? immortality?

The cave to me has its own particular form of beauty and I was particularly impressed by the Thunderbolt Room and the Great fallery. The immensity, the chaos, the curious and intriguing forms all so very awsome and one feels perhaps more than one does in climbing above ground that one is intimately in contact, at grips with all anature that presents a challenge and a rich reward too. Finally one cannot help but be impressed by the first explorers of the cave. Those climbers who went down the mud slope for the first time in the early forties and then up to the top of the Judgment Seat have all my respect and admiration.

Sam Goldin

* (Who else but Alan and Sam.) Ed. (Betty Johnson)

* (The word left out by Sam is undoubtedly blasted. Ed.)

"...the saner elements..."

This appears to be a good time of the year to review the results of an effort, last summer, to popularize Wednesday night climbing, and to comment briefly on the possibilities for the coming summer--in case anyone wishes to continue this Wednesday evening foolishness.

On all these official unofficial trips--as opposed to unofficial official trips --we went to Carderock, an area which seems to be very well suited to these summer jaunts. /-It is close to Washington, a parking area is nearby (the illegal one), and Mother Touhey's milk stand is just up the road.

Six of us enthusiastic, energetic climbers were present for the first trip, and although there was observed a marked tendency to dissipate this energy through our various months, we still managed to do a respectable amount of climbing in the ample time available. (See <u>UP ROPE</u>) July '62.) The following week this vast number of dedicated climbers--climbers who, after a hard day at work would gladly forsake a soft easy chair for an anything-but-soft belay spot; climbers who could easily give up a relaxing meal for a hastily eaten chunk of moldy cheese; climbers who would readily abandon all comforts popularly attributed to civilization for one small chance to pit themselves against the uncompromising forces of pristine, but surely uncompromising walls tonight, or do I want to go home and watch TV like the sa er elements of our society? It is not possible to know what the final decision was in each case, but since some of us had committed ourselves and/or car the previous night, we usually managed to arrive Wednesday evenings--at least most Wednesday evenings#

We continued thus through the summer with a fluctuating attendance averaging out to five or six climbers per trip. Attendance reached a peak one evening when ten or twelve participants mobbed the place. (Participant: one who arrives at parking lot and walks--100 years-to climbing area.) We finally gave up near the end of September when it began to get too dark, too fast, too early.

The coming summer offers the same possibilities as the one past, and in addition offers something else--the new Cabin John Bridge. This recently opened span brings several Virginia climbing areas within reach of the middle-of-the-weekers, and also makes Carderock more accessible to climbers living in Virginia. Cooking meals at the

(Concluded on Page 5)

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MPE's Self-Powered Foreign Correspondent reports on the--

Schwäbische Alb

Your reporter has pounded ground an estimated 54 km. in this area. It is a plateau covered with forest and farmland, with " peaks" averaging about 900 m. We sea level. Along the northwestern edge there are steep escarpments; on the whern side the slope to the Danube valley is more moderate. It is largely underin with limestone, and for Sunday practice climbers there are many promising outoppings. The rock appears pretty solid, near-vertical to overhanging, with faces at look frightfully high to me (probably only 100 to 150 feet). And in some cases route does not necessarily stop at the top of the cliff--you can go right on up a stle wall and in a window. Someone will probably then demand that you pay the sular entrance fee.

The easiest access to many rocks is from the top. There are roads of all rees of passability crisscrossing the highland area. A lot of lumbering activity soing on, and there are many logging roads too new to be mapped.

The Schwäbian Alb-Verein (the name is something like that, anyhow) is very terested in the problems of the pathfinder (CRW take note;) In the center of many has the markings for the various trails are posted. There are also route signs netimes. But all is not clear. A five-trail meeting point is all too frequently ked with just a couple dubiously-pointing arrows. The training of amateurs is onoted by the practice of blazing trees (with painted symbols) only after one has at one considers himself lost.

I understand that a lot of Germans come to this area for pre-Alpine practice, Recially from the Stuttgart area. It is rumored that even I have a climbing rela-

One warning must be issued: the clouds here, as well as the view into the valbelow, with its villages and other diversions, are extremely attractive. It is that a Schwa"bian auxiliary of the Cloudwatchers Amalgamated, the "Wolkenkers," will be established simultaneously with the first PATC expedition.

This area also offers assorted rainy-day activities. There are several quite the commercial caves, and probably unexploited ones as well. Castles and their this offer historical instruction and/or romance. There are cloisters to accommodate associates while the rest of us enjoy beer in a Gasthaus. If it isn't raining too there's a possibility for the archaeologist--the investigation of early Celtic We sites. And if it's snowing, you can ski.

A final encouraging note: I have been told that there is no poison-ivy in Alice Lane

"... the samer elements ... " (continued from page 1)

ts is another possibility, but a time-consuming one. A few found that a peanutter sandwich or a loaf of bread and a jar of jam could be adequately (and no doubt ally) substituted for moldy cheese.

The possibility of climbing by moonlight may stimulate interest among the Nd watchers, but since Carderock does not have any electrical outlets, I think it be some time before we can interest the folk dancers in our summer evening ^{Apades.} Al Klovdahl seren il dis

Except for the lower left "P" and the right hand border, Mennen's Talcum Porder is no longer advertised at Harper's Ferry. See next month's Up Rope for details of the May 11-12 trip.

Ed Worrell

20 May 1963

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Dear Editor-

S.L.C. S.M.

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In arver to the criticism of Up Rope's German correspondent, Lutwig Lautschreier, I should like to point out that Up Rope's masthead states "News of the PATC Mountaineering Committee" "News" includes business, especially such information as (1) that which the chairman wishes to make public, (2) reports of business meetings and trips, (3) controversial matters on which the editor has invited debate. Humor is delightful, but is not the only object in publishing Up Rope. Further, humore really should be the sort at which all reading Up Rore can laugh, i.e. more "Little Bob's Bottom Paint for those embarrassing moments" and less uncouth under-the-table etiquette rules for Tuohey's which obscure the fact that we don't want to frighten away prospective climbers who may have only Up Rope by which to judge us.

Sincerely, Blondie - Louise Worrell COMMENT: As newly appointed chairman of the morels committee I can state authoritatively that no rule of etiquette exists governing conduct under the table. Rule 6 reads as follows: "If two people are under the table, others should wait their turn. Odd numbers of people under the table will be referred to the Morals Committee."

Sincerely, Bob Mole

	Wolf	Rocks, Md	1 April 28
Bob Adams	Penny	energy and a second	Bill Smith
Kate Adams	Al Barbou	ır	Walt Snyder
Bobby Adams	Avril Qui	lggin	Chuck Wettling
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Due to the seditious influence of the Annaolis Rocks climbers who did not forget the change to daylight saving time, only the above mentioned late sleeping loyalists gathered at the scheduled climbing area.

The standard routes were worked over under a beautiful blue sky that contradicted the rainy forecast.

Numerous biting insects made their appearance, but only one inoffensive snake was seen.

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A-pleasant support A pleasant supper was eaten at the Cozy Inn.

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Annapolis Rocks Excursion 19 May 63

After everybody had expressed a preference to go to Carderock, a belated start was made for the wilds of Maryland. When the various ancient cars had finally s struggled up to South Mountain, it became obvious why alternative destinations had been carefully considered: the seemingly endlesslength of the Appalchian trail lay before us as we started up the ridge. Blooming azaleas, dropped notes and a sleepy snake made amends for the length of the approach walk, but were no preparation for the tremendous view from the top of the rocks, suddenly approached.

Some beginnersm wgi gad evudebtkt cine ti ckunbm rysged eagerkt ti tge

(woopsl)

Some beginners, who had evidently come to climb, rushed eagerly to the bottom of the cliffs, while others, under pressure to supervise tying in, made their laborious Way down and enjoyed the sight of people doing an easy climb. Soon, however, respectable climbing became necessary with the arrival of Ed Worrell, and a number of people made the ascent of the "Crow's Nest", a ferocious-looking but tech nically not-too-hard climb. After this had been made to look like everything from a major achievement to a waltz, the competent members of the group tackled the huge overhang to the left of this climb, while others, exhausted by the morning's work, turned to lunch and a place in the sun.

Finally, tired of climbing, a committee appointed itself to examine the site of the recent accident where Bill Faulhaber fell 20 feet through the breaking of a top rope. The same rope was dangled over at the prescribed place, and various people swung on the end a few feet from the ground, No effect was observed until three people swung at once, when a few tufts of nylon were scraped off the rope by some sharp rock edges, but even then leaving the rope hardly impaired. Pending examination of the actual break by fiber microscope, it seems that there is always a remote chance of some combination of rock edges cutting even a top rope on a practice climb--and that the factor of safety of an old rope after several leader falls is not fully adequate for even this purpose in areas where the rocks have sharp edges.

A trek back to the cars through the hot and somewhat insect-infested woods completed a very pleasant day.

Clive Lister

Carderock, 5 May 1963

The new memorial to George Washington has now reached the access path to the rocks, and this Sunday found the Canal half-filled with large blocks of fresh schist. At least we can be thankful that the fill was not taken from our local cliffs.

Rather more climbs than usual were set up, including a variation of Lembeck's Crossover (Mike's Test?). Hal Kramer made a quick and grunting climb of an unusual overhang just to the right of Spider Walk, and a rope was set up on the face between the walk and the overhang.

Our chairman was swept off by the swarm of invading canoeists, and spent most of the day launching boats. In the afternoon he returned to re-rig part of the great Oscar cobweb. Will the first Sunday of every month always demand sixty feet of prussiking? Ed reports that at least one sling and several carabiners were removed from an upper bough of the Oscar tree, but not all the hardware was removed. How did the remover get up there?

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. Symmetry - car with an Atlantic

There were many newcomers in attendance; among those present were:

Bob Berger	Walter & Barbara Lipton	Richard Curtin
Mary Turk	Jean McBee	Kelly Kelliher Joe Faint
Hal, George & Charlie	Mike & Joan Nicholson	Joe Faint
Kramer	Bill Allnutt	Joe Faint Al Klovdahl
Kramer Joe Nolte	The Adams family	Al Klovdahl Eileen Daly
John & Mary Kerr	Bill Glosson	Norman Hendy
		Stuart Williams
The Snyder family	Bob Beatty (of Boulder)	Bill Faulhaber and Cast
Chris Buckingham	Bert Blosser	i i i i i i i i i i i i i i i i i i i

Bill Smith

PERSONAIS

You can come back -- I'm not practicing IM*s any more.

* Inter-muscular injections

(Chuck Wettling is "on location" in Iceland and Greenland for six weeks.)

Dear Editor.

Joe Nolte, Dick Crompton and myself are starting up a new Survivors Club. Membership is invited. All you have to do to qualify is get dropped. Since the Mountaineering Committee still doesn't have a safety program, we expect lots of members. Bill Faulhaber

Change of Address

Judy Hock 1740 Riggs Pl. N.W., Washington 9, D.C. Tel. 265-8037 Alan Talbert C/O Capt. A. Andraitis, 497 R.T.S. Box 1085, APO 633, N.Y., N.Y.

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