EARTH SCIENCE LABORATORY

WATER SAMPLING INSTRUCTIONS

Samples #1, #2, #3, #4 (filtered)

Step 1 Remove protective cap from tip of syringe. Remove plunger from syringe.

Step 2 Assemble filter holder as pictured. (Do not include the blue wax paper disks with the white filter membrane).

REMOVE FILTER HOLDER EACH TIME PLUNGER IS REMOVED FROM SYRINGE. THIS PREVENTS BREAKAGE OF THE FILTER MEMBRANE.

Step 3 Place white plastic filter holder on syringe.

Step 4 Fill sampling container (jar, bottle, bucket, etc.) with the well or spring water you are sampling. Rinse sampling container with this water and discard.

Step 5 Refill sampling container and pour into syringe. Insert the plunger and gently push plunger to send fluid through the filter and holder. Collect filtered water in the appropriate sample bottle (1, 2, 3, 4). If the sample contains significant foreign matter to clog filter (mud, plants, etc.) it may be necessary to change the filter membrane. Remove old filter and replace as in Step 2.

BOTTLES #1 & 2 CONTAIN MEASURED ACID.
PLEASE FILL TO THE TOP BUT DO NOT OVER FLOW.

Step 6 Fill bottles as full as possible. Remove as many air bubbles as possible by tapping the sides of the bottles.

Step 7 Cap tightly. Seal with plastic electrical tape if available. (2 wraps around bottom of cap in direction to tighten cap.)

Sample #5 (unfiltered)

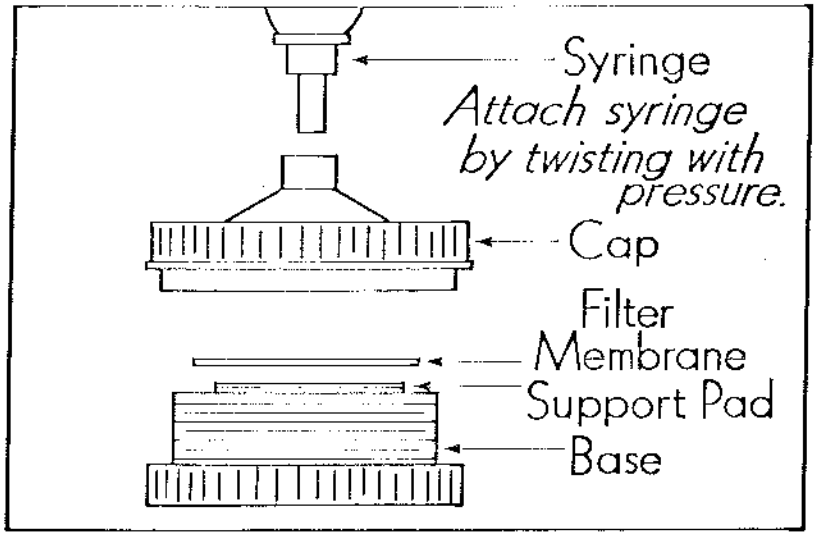
Step 1 Collect sample in sampling container used above. Pour water directly into bottle #5; do not filter.

If samples are to be taken at more than one location, syringe, collection container and filter holder must be rinsed in new location water and filter membrane must be replaced.

INSTRUCTIONS FOR USE:

1) Disassemble the filter holder.
2) Place a 25 mm membrane filter on top of the Support Pad. Make sure that the membrane is properly centered.
3) Blue papers used to separate the filter discs when packaged should be discarded and never placed inside the holder.
4) Tighten the Cap to the Base and connect the filter holder to the syringe.

NOTE: Make certain that the Inlet and Outlet are oriented in the intended direction of flow. The word "outlet" is inscribed underneath the Base of the Filter holder for easy identification.



EARTH SCIENCE LABORATORY

USER ASSISTANCE SAMPLE SUBMITTAL SHEET

SAMPLED BY:

DATE:

TIME:

SAMPLE TYPE: (check one)

Well _____
Spring _____
Other _____

SAMPLE LOCATION:

Nearest Town or City:
State:
County:
¼ Section _____ ¼ Section _____ Section _____
Township _____ Range _____

SAMPLE CHARACTERISTICS: (check where appropriate)

Clear _____
Cloudy _____
Sediments present _____
Vegetation present _____
Rotten eggs odor _____
Other _____

TEMPERATURE: (please measure with thermometer)

SPRING FLOW RATE: (slow, moderate, fast) In gallons per minute, if known.

WELL INFORMATION:

Depth _____
Standing water level _____
Flow rate (if artesian) _____
Well diameter _____

ARE THERE OTHER WELLS OR SPRINGS NEARBY? DRAW SKETCH MAP IF NECESSARY.

COMMENTS: