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The expanded Dalecarlia Plant should meet the requirements of the service areas well into the future.

New McMillan Plant
Treatment Plant is on land once occupied by three of the one-acre slow sand filters. Construction began in the Fall of 1981. The plant was formally dedicated on September 13, 1985. The plant includes a Chemical Building containing a central control room; chemical unloading, handling, and storage areas for pebble lime, chlorine, sulfur dioxide; chemical feed facilities; chemistry laboratory and records storage and maintenance rooms. A new Filter Building, approximately 42,300 square feet in area, contains 12 rapid sand filters, 0 pipe gallery, and settled water channels. (It is interesting to note that the filter surface area in the new plant is about one half the area of one of the 29 original slow sand filters.)

A significant feature of the new McMillan Plant is the computerized central process control system. All information required for operation of the pumping station and treatment plant is continuously monitored and presented to the plant operators in the form of color-graphic displays on two screens. Alarms signal any abnormal conditions. Operating reports are printed out on several logging devices. In addition, the computer accepts and processes commands issued by the operator in order to control the process. Distributed process control unit are located at several areas in the plant and pumping station and each of these monitors and controls the process in its respective area. Each contains one or more control strategies providing full closed-loop control for that respective area. Each unit can also communicate with others in the system through the central processing control computer. In this way, this system provides the capability for both full automatic control and remote manual control. The operator retains the ability to monitor all aspects of the plant, and may place all, or certain parts of the process, on full automatic closed-loop control or manually control the process.

The Washington Aqueduct

The Washington Aqueduct Division (WAD) of the U.S. Army Engineer District, Baltimore, provides the water supply for over one million residents of the District of Columbia and Northern Virginia and to the federal government. Facilities owned and operated by the WAD include intake works on the Potomac River at Great Falls and Little Falls, Maryland, a 12 mile long gravity conduit system of 200 mgd capacity; a 450 mgd raw water pumping station, two major water treatment plants at Dalecarlia and McMillan with about 350 mgd total capacity, three booster pumping stations, a 480 mgd finished water pumping station, six finished water storage reservoirs, and many large diameter transmission mains.

The federal government sold excess acreage resulting from the McMillan modernization to the D.C. government which is considering proposals for public use and development.

Information provided by Mr. Harry Ways, Chief, Washington Aqueduct Division.

D.C. WRRC NOTES

Dr. Albert Jose Jones, chairman of the Department of Environmental Science and professor of marine sciences, is appearing weekly on ‘Living with Animals’, which is broadcasted at 6 pm, each Sunday on WHMM-TV, Channel 32. Dr. Jones hosts the segment on keeping and raising fish in aquaria. The show is seen on 100 PBS stations and 480 cable stations in the U.S., Canada and Puerto Rico.

* Excerpted from Every Monday of October 30, 1989.

COlLEGE OF LIFE SCIENCES PLANS NEW SEMINAR SERIES

Dean Ronald Field recently appointed Dr. H.M. Watt, DC WRRC director, Dr. J. Allen, AES director, and Dr. C. Cousin, biology professor, to work on a committee of the College of Life Sciences charged with planning seminars designed to expose the university community to ongoing faculty research and to schedule proposal development workshops to focus on individual federal agency research interests and requirements. The committee has announced the following tentative schedule for these events to be convened at the Van Ness Campus.

<table>
<thead>
<tr>
<th>DATE</th>
<th>TIME SPEAKER</th>
<th>TOPIC</th>
<th>MODERATOR</th>
<th>LOCAT.</th>
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<tbody>
<tr>
<td>11/14/89</td>
<td>2-4 pm Dr. T. Renee</td>
<td>NIH Grants Workshop</td>
<td>Dr. C. Cousin</td>
<td>44/121</td>
</tr>
<tr>
<td>12/04/89</td>
<td>2-4 pm Dr. Marion J.</td>
<td>Sabbatical Research Topics</td>
<td>Prof. Abdi</td>
<td>44/212</td>
</tr>
<tr>
<td>01/26/90</td>
<td>2-4 pm Dr. C. Docked</td>
<td>AES Research</td>
<td>Prof. J. Allen</td>
<td>44/213</td>
</tr>
<tr>
<td>02/23/90</td>
<td>2-4 pm Dr. J. Jones</td>
<td>Afric.-Americ. Marine Investg.</td>
<td>Dr. R. Field</td>
<td>44/212</td>
</tr>
<tr>
<td>03/09/90</td>
<td>2-4 pm Dr. H. Phelps</td>
<td>Sabbatical Research</td>
<td>Dr. G. Wyche</td>
<td>44/213</td>
</tr>
<tr>
<td>03/22/90</td>
<td>10am-12 30pm Or. R. Grady</td>
<td>Grants Workshop</td>
<td>Prof. J. Allen</td>
<td>44/A03</td>
</tr>
<tr>
<td>04/19/90</td>
<td>10am-12 30 p.m. USGS/DOI</td>
<td>Grants Workshop</td>
<td>Dr. H.M. Watt</td>
<td>44/A03</td>
</tr>
</tbody>
</table>
Dr. Jones is an unusual blend of scholar, teacher, scientist, administrator, and world class sportsman excelling both as a scuba diving deep sea explorer and a black belt karate master.

Dr. Jones has recently returned to his former position as Chairman of the Environmental Science Department of UDC after having served a one and half year stint as Acting Provost and Vice President for Academic Affairs.

Prior to serving as provost, Dr. Jones had served as Acting Dean of the College of Life Sciences, Chairman of the Environmental Science Department and Professor of Marine Science where he provided the drive and inspiration that led to establishment of a two-year and a four-year degree program in environmental science.

Dr. Jones also taught biology in the secondary school system of Washington, D.C. and served in the corporate sector as Vice President of the Division of Oceanographic and Environmental Sciences, Roy Littlejohn Associates and as a Special Consultant in aquatic and marine biology with the Oceans Resources Corporation.

As a sportsman, Dr. Jones is a living legend. His activities include karate, where among many honors and citations, he holds a the Fifth Degree Black Belt Tae Kwon Do Korean Karate. Dr. Jones is a world class skin diver with over 30 years experience encompassing biomes in the continental US, Hawaii, Ceylon, Australia, The Great Barrier Reef, The Caribbean, Bahamas and Morocco among other areas. His awards earned in diving competition nationally and internationally are too numerous to cite here. He is the holder of international instructor's certifications from The Professional Association of Diving Instructors (PADI) of Santa Ana, California and 'La Confederation Mondiale des Activities Subaquatiques of Paris. Dr. Jones is also an advanced skier and a sky diving novice.

Dr. Jones' educational background includes a B.S. in Biology, D.C. Teachers College; a Fulbright Scholarship at the University of Queensland, Australia; an M.S. in Aquatic Biology, Howard University; and a PhD. in Marine Biology, Georgetown University.

Dr. Jones has published numerous research papers in technical publications and in peer journals in the marine sciences, skin diving and karate as well.

Underwater Adventure Seekers of Washington, D.C., the world's oldest Black scuba (Self-Contained Underwater Breathing Apparatus) diving club, has been racking up an impressive dossier of undersea feats since its inception in 1959.

Indeed, OAS's 30th anniversary theme, 'Building on past explorations-seeking new adventures', aptly delineates the group's dive philosophy over the years. Founded by Dr. A. Jose Jones, Vice President for Academic Affairs of the University of the District of Columbia, and four other members (Maurice Jackson, Donald Green, Sylvester Dory and Molester Foxworth) expressly to teach the sport to swimmers, and promote safe water activities and the conservation of aquatic life UAS has concentrated on wreck diving, spearfishing without scuba, underwater photography and reef diving, capping its accomplishments each year with a trip to an exotic dive spot from Hawaii, Ceylon, Mexico, Venezuela, Belize, Tahiti, Guam, the Bahamas and other retreats in the Caribbean. The group also has flown to Australia's Great Barrier Reef, where diving sweeps your breath away', the Solomon Islands and Fiji in search of fun and
adventure. Last August, UAS commemorated its anniversary by taking a 62-member team (31 divers) to Morocco in West Africa.

MEETINGS


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Dr. M.H. Watt, Director; J. Hannaham, A. Cisse’ and M. Fronza contributing staff; T. Kelly contributing editor.