



# IWA PIPELINE



NOVEMBER 1985

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VOL. 8, ISSUE 4

## Our 20th Anniversary Picnic happens Nov. 10 — don't miss the fun.

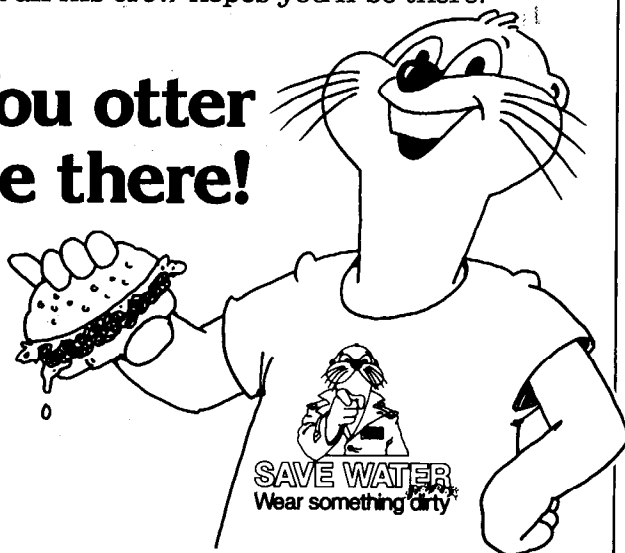
Ozzie's staff of fun makers is in high gear preparing for the IWA Picnic on Sunday, Nov. 10.

It's a gala event for all islanders and their families complete with —

- Free Soft Drinks • Beer on sale
- Barbecued Chicken and Ribs
- Hamburgers and Hotdogs
- Volleyball, Softball, Horseshoes and other Games
- Bluegrass Music by The Virginia Squires
- Entertainment by The Caloosa Cloggers
- A Drawing for a free VCR and other valuable prizes
- Free IWA T-shirts for the kids (under 12)

The action starts at 2:00. The food and entertainment goes from 3 until 6. Ozzie and all his crew hopes you'll be there.

## You otter be there!



Think you have a leak? . . .  
ask your meter

will mean a leak.

Of course, if you think you have a leak and aren't into do-it-yourself leak detection, IWA will be happy to check your system for you. Just give us a call.

## Jim Hermes joins IWA board

The IWA board has announced the appointment of Jim Hermes as a director, taking the place of John Cook who retired recently because of ill health.

Jim came to Sanibel in 1974 to serve as executive vice president of the newly formed Bank of the Islands. He became the president of the bank in 1978 and served in that capacity until his retirement in March of this year.

Jim has also served as a director of the Sanibel-Captiva Chamber of Commerce, the Lions Club, the Barrier Island Group for the Arts, the Sanibel-Captiva Conservation Foundation and Outreach, Inc.

Jim lives on Sanibel with his wife Juanita and their two sons.

## New building to be dedicated to John Cook

The IWA board has announced that the new maintenance building at the Reverse Osmosis Facility will be dedicated to John Cook, who retired from the IWA board recently because of ill health. The dedication ceremony will take place at the IWA 20th Anniversary Picnic Celebration on November 10.

John Cook came to Sanibel in 1967 from Miami, Florida where he owned an insurance agency. He was elected to the IWA board in 1975. Since that time he has served as the board's chairman in 1978 and again in 1980, and for the past five years he has

## War on wasted watts

IWA is studying its entire production and distribution system — from well fields to water faucets — looking at its electrical consumption and searching for non-working watt-hours. The consulting firm of E.M.A., Inc. which specializes in such work, will help IWA technicians by recommending electronic surveillance and controls to squeeze the most work out of our electrical supply.

Some thirty-five electrically driven pumps move water through the system, from wells to the treatment plants and through the distribution system. Their motors, ranging in size from 3 to 250 horsepower, consume most of our almost two thousand dollar daily electrical costs. All these pump/motor combinations have to be designed for "worst case" operation if IWA is to keep the system working at all times. Well pumps, for example, must be powerful enough to lift water higher during dry weather when heavy demands reduce artesian pressures. The R.O. treatment plant must have pumps and motors which will give the extra pressure needed as membranes go through their normal aging process. The regular peaks and valleys in water use, between day and night, cause different pressure needs in the distribution system, calling for varying horsepower applications.

It has been standard practice to use "throttle valves" for wells and treatment

plants to cut down pump flows when their full power is not needed. But throttle valves waste electricity. Distribution pump pressures, which are directly related to costs, are often set higher than needed to overcome temporary pressure drops when demand is unusually heavy.

IWA will be studying recent development in water system electronics, including: solid-state controllers, remote sensing devices, computer controlled operation of wells and distribution pumps, and the like.

Maintaining the dependability and quality of IWA's water supply is still our top priority. But to improve the system without new debt or higher rates will require the Association to find that last wasted watt and unplug it.

## Roosa to take over as IWA attorney

Island Water Association has retained Richard V. S. Roosa as their corporate attorney.

Dick is a partner in Aloia, Dudley, Roosa, Cottrell, Sutton and McIver in Cape Coral. He has been practicing law in Lee County since 1974 and for six years was the attorney for the City of Cape Coral, which operates its own utilities.

Dick lives in The Dunes on Sanibel with his wife, Bebe, who is active in C.R.O.W. They have two children, both of whom are attending the University of South Florida at Tampa.

Financial: These figures represent the unaudited accounts as of September 30, 1985.

RECEIPTS	NINE MONTHS OF	
	1985 Budget	Actual Receipts
Water Sales	\$ 2,083,500	\$ 2,203,097
Interest	56,250	92,192
Other Receipts	9,000	5,133
Connection Fees	326,250	256,726
<b>TOTAL RECEIPTS</b>	<b>\$ 2,475,000</b>	<b>\$ 2,557,148</b>
Carryover		1,406,076
<b>TOTAL FUNDS</b>		<b>\$ 3,963,224</b>
DISBURSEMENTS	NINE MONTHS OF	
	1985 Budget	Actual Disbursements
Wages and Benefits	\$ 693,000	\$ 603,195
Professional Fees	52,500	56,064
Electricity	450,000	519,393
Telephone	9,750	9,878
O & M Service & Supply	278,250	314,996



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## Here Comes "D" Train.

In an effort to cut costs at the R.O. Plant, three new sets of membranes have been installed. Technological improvements have made the membranes less expensive to install and more efficient to operate, but the real savings have not been realized yet because of the spring drought.

In the first six months of the year water levels in the aquifers were extremely low and demand for water was up more than 20% over last year. According to Peter Wilson, Production Supervisor, I.W.A. operated extra pumps to lift and treat its well water and had to use old standby units in the Electrodialysis Plant. This meant much higher costs for electrical energy. Even with this, energy costs at the facility have been cut by one third.

As demand returns to normal, the real savings potential of the new membranes will be realized.

The installation of the fourth reverse osmosis unit at the R.O. Plant, called Train D, will be completed by late November.

At a cost of about ½ million dollars Train D will increase the total production capacity of I.W.A. by 20%. This should prevent any problems similar to those experienced in the first half of this year.

In order to provide sufficient feed water to Train D a new well is being installed near Gulf Pines subdivision that will take water from the Suwannee Aquifer. Tests have been completed that show that plenty of water of good quality will be provided by this well.



Florida Water Management District, and, on Sanibel, by the City.

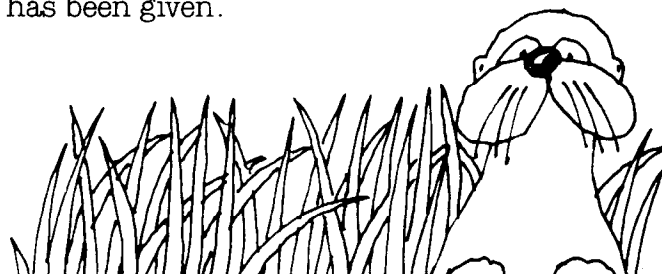
The purpose of the program is to locate and examine all the deep wells on the islands. Much valuable data can be learned from these deep wells. Every well gives us an opportunity to examine the aquifers and strata at a specific location. By piecing together all these bits of data we can construct a hydrogeologic profile of the earth beneath the islands. We will also take periodic water samples from these wells. This will allow us to track changes in the aquifers and predict future trends. If the owner of the well is no longer using it, with his permission we will plug the well after we complete our examination.

If you have a well on your property, or know of a well somewhere on the islands, please contact I.W.A. There is no expense involved and the program is strictly voluntary.

Your cooperation will assist I.W.A. in supplying good water for the islands.

## Extra, Extra . . .

IWA learned at press time that it had received the "Best Operated Plant" award from the South Florida District of the Florida Department of Environmental Regulation for the second year in a row. This is, to the knowledge of district officials, the first time such a back-to-back award has been given.



## I.W.A. Plans Fall Picnic.

To celebrate our 20th anniversary I.W.A. is planning an old fashioned picnic to be held in late November. The event will include a barn dance with live music, entertainment, a giant barbecue and lots of old fashioned games for all ages.

The celebration is for all I.W.A. members and their families, so be sure to join us. We'll let you know the actual date just as soon as we can, but don't leave the islands in November!

## Water Water Everywhere.

Tropical Storm Bob made his appearance on the islands and left in his wake flooding and property damage. The high winds caused several trees to uproot, pulling up service lines and temporarily interrupting service to a few members. In all, I.W.A. responded to approximately 20 service calls.



## I.W.A and City cooperate on Rabbit Road repaving.

I.W.A. and City of Sanibel engineers have been working to prevent problems when the city repaves Rabbit Road.

The city will raise the level of the road at certain points so that city drainage pipes will not interfere with I.W.A.'s water pipes. Concrete reinforcing will protect I.W.A.'s pipes from possible damage.

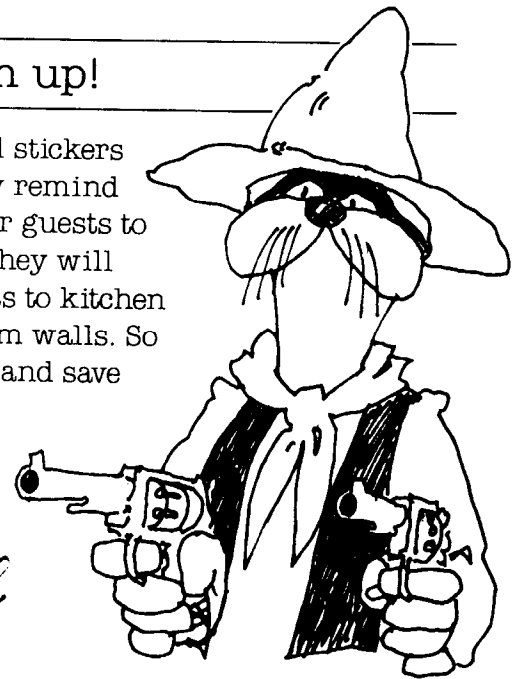
I.W.A. will pay for the increased costs of the project, but thanks to the city's help there will be significant savings for I.W.A. in that water pipes will not have to be moved.

## Stick 'em up!

The enclosed stickers will not only remind you and your guests to save water, they will add new class to kitchen and bathroom walls. So stick 'em up and save our water.

Thank you,

*Cezile*



Financial: These figures represent the unaudited accounts as of June 30, 1985.

### RECEIPTS

Water Sales  
Interest  
Other Receipts  
Connection Fees

### TOTAL RECEIPTS

Carryover

### TOTAL FUNDS

### 1985 Budget

\$1,389,000  
37,500  
6,000  
217,500

\$1,650,000

### SIX MONTHS OF

### Actual Receipts

\$1,503,657  
64,763  
71,926  
166,518

\$1,806,864

1,406,076

\$3,212,940

### DISBURSEMENTS

Wages and Benefits  
Professional Fees  
Electricity  
Telephone  
O & M Service & Supply  
Motor Fuel

### 1985 Budget

\$ 462,000  
35,000  
300,000  
6,500  
185,500

### SIX MONTHS OF

### Actual Disbursements

\$ 376,635  
38,197  
388,724  
6,539  
205,281