

crocodilians will soon be extinct unless some action is taken.

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**ANATOMY AND PHYSIOLOGY**, by A. B. Drakontides, M.A. Miller, and L. C. Leavell. 1972. Macmillan Co., New York. 212 p.: softback laboratory manual; workbook. Price not given.

To evaluate this manual I tried out a couple of the exercises on my students. The results were most favorable: few students complained that they didn't understand the instructions or the reason they were doing a particular exercise, and they seemed to feel the information was well presented. As it happens, I have been using a laboratory manual that is quite typical: lots of anatomy, very little physiology. I was compelled to write a syllabus to accompany the manual, so as to cover additional concepts in physiology. After

all this work I found that the Drakontides-Miller-Leavell manual includes many of the items that spurred me to write the syllabus.

Most anatomy and physiology manuals are written for the freshman college student. This manual is sophisticated enough for the basic college course but not so advanced that it can't be used for the advanced high-school student.

The portion of the manual I found disappointing was the appendix. It would be nice to have a diagram of a microscope of the kind used in most schools today rather than 25 years ago. The section on solutions is scanty: it has recipes for Ringer's solution and alcohol solutions but nothing else. Recommendations are given for specimen supply and film supply, but this list should be more extensive.

To improve content, I would recommend more emphasis on the relationship of diffusion to surface area and volume; the use of the sea urchin and

frog to demonstrate embryologic development, rather than the chick embryo; and more emphasis on metabolism. But, overall, this manual seems to be as comprehensive as any I have seen.

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**KINGDOM OF THE SEASHELL**, by R. Tucker Abbott. 1972. Crown Publishers, New York. 256 p. \$14.95.

Shell-collecting is an ancient hobby with an avaricious, error-ridden literature. Abbott, the Delaware Museum of Natural History malacologist, is therefore an exceptional author: his Golden Guides *Seashells of the World* (1962) and *Seashells of North America* (1968) went a long way toward acquainting collectors with the proper classification and the natural history of mollusks and, by implication, downgraded the "trade one murex for three turbos" sort of thing. With those popular books he put

ONCE UPON A TIME THERE WAS A FROG. (RHEEBA! RHEEBA!)

AND HE KNEW THAT HE COULD BECOME A HANDSOME PRINCE...

...IF ONLY THE FAIR MAIDEN WOULD KISS HIM... BUT HE WAS A BASHFUL FROG...

... SO HE EMPLOYED THE SERVICES OF A MIDDLEMAN FROG. (RHEEBIT! RHEEBIT!)

MIDDLEMAN FROG WAS TO COLLECT THE KISS AND THEN DELIVER IT TO THE PRINCE TO BE.

WITH A MORE THAN GENEROUS COMMISSION OF SEVERAL DOZEN FRESH FLIES AND ASSORTED DEEDS TO CHOICE LILLY-PADS, THE MIDDLEMAN WAS OFF.

AFTER MANY DAYS OF TRAVEL... (A MIDDLEMAN HAS MANY DIFFERENT TASKS IN MANY DIFFERENT PARTS OF THE COUNTRY) ... HE FINALLY ARRIVED FOR THE KISS.

NOW, THE FAIR MAIDEN WOULD HAVE ALSO LIKED TO WORK DIRECT WITH HER CLIENT BUT SHE WAS BUSY. AND IT WAS NO SKIN OFF HER NOSE IF A MIDDLEMAN WAS USED... SO SHE GAVE HER KISS.

LOW AND BEHOLD HER KISS TURNED THE MIDDLEMAN FROG INTO A HANDSOME PRINCE... AND THE FAIR MAIDEN FELL MADLY IN LOVE WITH THE PRINCE AND THEY LIVED HAPPILY EVERAFTER.

UPON HEARING THE NEWS THE FIRST FROG SADLY SAID... "DOUBLE RHEEBA!" AND JUMPED INTO THE POND, NEVER TO HIRE OR TRUST ANOTHER MIDDLEMAN FOR THE REST OF HIS DAYS!

**MORAL**

NEVER DEPEND ON A MIDDLEMAN IF YOU REALLY DON'T NEED ONE !!!

IF YOU USE A MIDDLEMAN YOU'LL MOST LIKELY BE JUST ANOTHER FROG IN A VERY BIG POND !!!

AND IF YOU KISS A FROG - YOU'LL GET WARTS ON YOUR LIPS.

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WHEN YOU BUY A PARCO MICROSCOPE, YOU BUY QUALITY EQUIPMENT WITHOUT ONE OF THOSE MIDDLEMEN. YOU DEAL WITH A PARCO PRO, NOT A FROG. SEND FOR OUR CATALOG, GIVE US A TRY, AND YOU'LL SEE WHAT WE MEAN.

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