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TAIPEI # TIMES

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Kainan High School

succeeds in breeding axolotis

可愛「六角恐龍」 開南成功繁殖





Top: An axolotl bred at the Kainan High School of Commerce and Industry in Taipei pictured

Above: Kuo Yan-chih points at axolotls in aquarium tanks at Taipei City's Kainan High School on Oct. 9, 2009. PHOTOS: FANG PIN-CHAO, LIBERTY TIMES

最上圖:十月九日拍攝的這張照片中,是台北市開南商工成功繁殖的墨西哥蠑螈。 上圖:十月九日,在台北市開南商工,郭彦志老師指著水族箱内的墨西哥蠑螈。 照片:自由時報記者方賓照攝 cies. The creatures, which some people individuals still live in the wild. Axolotls call "six-horned dinosaurs," are a focus are now classified by the Washington 型與超強的肢體再生能力成為關注焦點。台 of interest because of their unusual Convention as a category two (critically 北市私立開南商工水生動植物研究室近年來 appearance and their remarkable abil- endangered) species, and the magazine 成功研發人工繁殖技術,下一步將與台大生 ity to regenerate limbs. Over the past American Scientist listed them among the 物科技研究中心合作,投入肢體再生研究 few years, the aquatic animal and plant 10 kinds of animals that are on the verge Commerce and Industry, a privately people in Taiwan did not know much them in captivity. As the next step, the in the US and Japan, where they are 應。 laboratory will collaborate with National commonly kept as pets. Last year the Taiwan University's Institute of Biotech- Taiwanese edition of American Scientist 墨西哥鈍口螈為蠑螈的一種,俗稱「六角恐 nology to do research on how the ani- featured axolotls on its front cover and 龍」,「六角」意指臉部兩側三對呼吸用的 mals regenerate their limbs.

"My goodness! What an ugly fish!" Kainan High School's aquatic animal and about the animals. plant laboratory has in recent times suc-

xolotls are native to Mexico and where they were once a favorite food of Kuo says. (LIBERTY TIMES, TRANSLATED BY JULIAN CLEGG) are among the top 10 of the local gourmands. Because of habitat polworld's most endangered spe- lution and invasion by alien species, few carried an article about the creatures, 外鰓,其原產地在墨西哥中部的霍奇米爾科 which can regenerate various parts of 湖,曾是當地老饕的最愛,因棲地污染與外 "What do you mean? It's really cute!" their bodies. This aroused more curiosity 來種入侵影響,野生個體數量稀少,目前華

cessfully bred several hundred axolotls rigorous. Over the past couple of years, 滅絕的動物之一。 of various varieties — white ones, yellow Kuo has managed to establish a set of ones, black ones. Some of them look like standard procedures, such as keeping 不多,但在美國與日本卻已有長年的人工飼 salamanders, others like plumed basilisk the water temperature at 17°C when 養經驗,經常被當作家中寵物。去年「科學 lizards, and they often bring out con- the animals are breeding and keeping 人」雜誌以墨西哥鈍口螈為封面,介紹這種 trasting reactions among the students. the water clean to improve their sur- 全身各部位都可以再生繁殖的物種,也讓各 Kuo Yan-chih, who is in charge of the vival rate. Kuo says that the lab, which 界對地增添更多的好奇。 aquatic animal and plant laboratory, says started out with two dozen "six-horned axolotIs are in fact a kind of salaman- dinosaurs," now has nearly a thousand 索兩年多,總算建制一套標準程序,包括繁 der. Some people call them "six-horned of them, occupying almost all the lab's 殖期水溫控制在十七度、保持水質乾淨等, dinosaurs," the "six horns" referring to aguarium tanks. This gives Yang guite 提高存活率。他說,「六角恐龍」從一開始 the three pairs of external gills on either a sense of achievement. The only tough 的二十多隻到現在的近千隻,幾乎要佔滿研 side of their faces, which they use to part is feeding the axolotls their daily 究室的水族箱,相當有成就感:唯一辛苦的 "breathe." Axolotls originally come meal, which takes two to three hours. 是,每天餵完一餐就要花上二至三小時,「

竹父 螈,俗稱「六角恐龍」,因為特殊外

laboratory of Kainan High School of of extinction. Kuo says that in the past 可愛耶!」開南商工水生動植物研究室近來 run school in Taipei City, has success- about axolotls, but they have been suc- 的、黑的分屬不同品種,有的像娃娃魚、有 fully researched techniques for breeding cessfully bred in captivity for many years 的卻像水中蜥蜴,經常引起學生兩極化的反

> 盛頓公約列為第二級瀕臨滅絕物種,也被美 Conditions for breeding axolotls are 國「科學美國人」雜誌評選為全球十大瀕臨

郭彦志說,過去台灣對墨西哥鈍口螈了解

墨西哥鈍□螈繁殖的條件嚴格,郭彦志摸 from Xochimilco Lake in central Mexico, "Luckily they only eat one meal a day," 還好牠們一天只吃一餐」。(自由時報記者邱紹雯)

TODAY'S WORDS 今日單字

1. aquatic /ə'kwætɪk/ adj.

水生的 (shui3 sheng1 de5)

例: An amazing diversity of aquatic life can be found in this lake. (這座湖中有非常豐富的水生物種。)

2. collaborate /kə'læbə,ret/ v.

合作 (he2 zuo4)

例: We're hoping to collaborate with a local printer to help us get the brochures

(我們希望和當地的影印公司合作,以便完成廣告手冊。)

3. external /**ik**'st**3**'nəl/ adj.

外部的 (wai4 bu4 de5)

例: Our last marketing director resigned due to external pressures from outside the

(我們前任行銷經理離職是因為受到來自公司外部的壓力。)

Two axolotls of different colors pictured in an aquarium tank at the Kainan High School of Commerce and Industry in Taipei on Oct. 9, 2009. PHOTO: FANG PIN-CHAO, LIBERTY TIMES







