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## Smithsonian AUGUST 2004 VOLUME 35, NUMBER 5 FEATURES



**44** One nation, under water? Are the islands of Tuvalu in danger of going under? And why?



**54** The discus can be traced to the first Olympics. So can spectator discomfort.



**80** Childe Hassam (a 1914 self-portrait) accepted the label of Impressionist only grudgingly.

### 44 WILL TUVALU DISAPPEAR BENEATH THE SEA?

As storms, floods and a rising sea level threaten to engulf the Pacific islands nation, residents and officials blame global warming. But is it the whole story?  
BY LESLIE ALLEN

### 54 LET THE GAMES BEGIN

Featuring sideshow artists, animal sacrifices and public feasts, the ancient Greek Olympics were as much pagan festival—and endurance contest—as athletic event  
BY TONY PEROTTET

### 62 NEW LEASH ON LIFE

In an innovative program at six prisons across the nation, selected inmates raise puppies for use as guide and police dogs. The benefits are mutual  
BY CHRISTINA CHEAKALOS / PHOTOGRAPHS BY ENRICO FERORELLI

### 70 IN SEARCH OF WILLIAM TELL

Though the woodsman who shot an apple off his son's head is at the core of Switzerland's national identity, some scholars doubt his very existence  
BY ROBERT WERNICK / PHOTOGRAPHS BY ERIC SANDER

### 80 IMPRESSIONISM'S AMERICAN CHILDE

"A true historical painter," Childe Hassam interpreted American scenes in the French style—from rain-slick and flag-draped streets to New England's rocky coast  
BY DOUG STEWART

### 90 MAKING COPIES

More than 60 years after its invention by patent attorney Chester Carlson, xerography continues to grow, enjoying a run few innovations can duplicate  
BY DAVID OWEN / PHOTOILLUSTRATION BY WILLIAM DUKE

### 98 OFF TO THE RACES

By galloping to victory in an epic five-horse, four-mile contest in Virginia in 1752, a plucky Thoroughbred mare named Selima—imported from England—spurred the popularity of horse racing in colonial America  
BY JOHN EISENBERG / ILLUSTRATIONS BY WILLIAM H. WILSON JR.

**ON THE COVER** The islands of Tuvalu, scattered midway between Hawaii and Australia, may vanish entirely within a few decades, say the nation's leaders. PHOTOGRAPH BY PATRICK AVENTURIER / GAMMA

"A ROPE was stretched before the runners at chest height, creating a rudimentary starting gate. Contestants eyed the barrier respectfully: the punishment for false starts was a thrashing from official whip bearers."  
—"LET THE GAMES BEGIN," PAGE 54



**62** Guide-dogs-in-training in the Puppies Behind Bars program spend every moment of their day with their inmate raisers, even sharing the same cell.

- AMERICA'S FIRST GREAT HORSE RACE -

AUGUST 2004

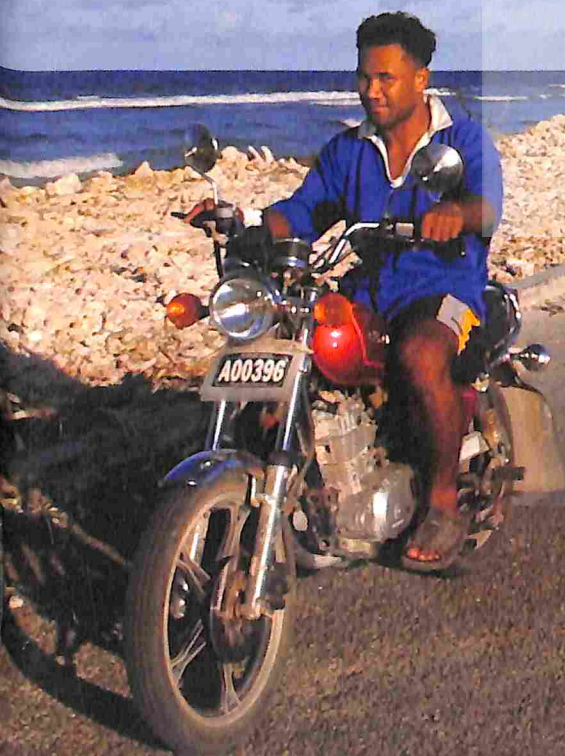
# Smithsonian

Ground Zero for Global Warming?

## TUVALU

That Sinking Feeling

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