Freen growth after a fire

EMMA HORN

blessing in disguise. recent bushfires may be a growing around the region, FOR some native plants

germination of acacia plants. treme heat can accelerate the Burrows has found that ex-Wagga-based plant biologist Associate Professor Geoff Over the past decade

tube that develops, Profesembryo. er-shell which will allow waevent, the seeds of the acacia sor Burrows describes as a ter to channel to the seed's hole in their hardened outwattles - will develop a small ram gauge commonly referred to as After a significant fire This microscopic

waiting for fire," Professor trees may have died out but all of these come from'? The then after fire people often acacia is short-lived. It'll die look out and say, 'where did after about 15 to 20 years, but Burrows said. their seeds were dormant, "For a woody plant, the

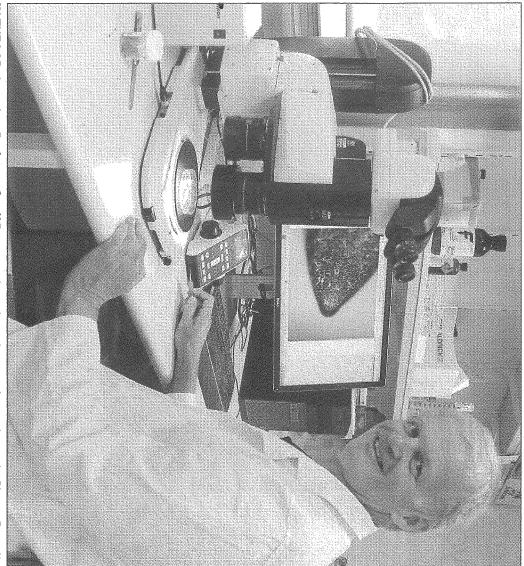
earth for up to 40 years. seeds can lay dormant in the Professor Burrows said, the Awaiting a fire event,

so small, that looks so del-"It's amazing, something

lens," he said. 80 degrees to pop this little icate needs heat of around

around the Riverina's recent ditions, Professor Burrows fire grounds. believes, have been seen "I haven't seen the exact

tained period of rain, will figures, but I do know that recent conditions may also their existing stems. Euca- with the increasingly tumul-Fire, followed by a sus-



IN THE LAB: Associate Professor Geoff Burrows observing microscopic acacia seeds. Picture: Emma Horn

of the acacia. Those concial results in the growth Wagga," he said. ba and that area have had a lot more rain than we have in

would probably be acacias "If it was enough, there

growing already." Additionally, he said, the

gion's acacia-like eucalyptus. have buds on their stems by some of the eucalypts would

now," he said. "Most trees in fire will

either die or re-sprout from

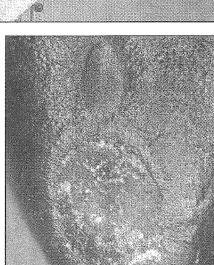
adapted this design to cope

at doing that."

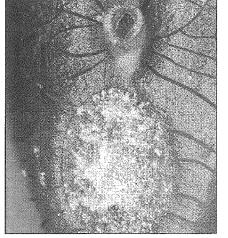
flora and fauna across the nathat the Australian bush had tion, Professor Burrows said it was heartening to know Despite the devastation of

> months later, there will be green shoots again," he said. "In most cases, the bush "Even in devastation, three

with the hot, dry and fires for will look after itself. When Australian bush has coped all is said and done, the



microscope before a fire has opened its BEFORE: An acacia seed under the 'raın gauge'



before germination. rain gauge (far left) under extreme heat AFTER FIRE: The acacia seed will 'pop' its