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ACROSS THE UNIVERSE

Gerald Rhemann



IN PARTNERSHIP with his friend Michael Jäger, Gerald Rhemann has long been photographing the sky searching for undiscovered comets and recording those currently visible. Rhemann also specializes in deep, wide-field vistas of the Milky Way using short-focal-length telescopes and large-format CCD cameras. Often his images reveal rarely seen clouds of dust that only a few short years ago were beyond the reach of amateur equipment. [www.astrostudio.at]



▲ Corona Australis hosts an interesting juxtaposition of objects: **NGC 6726** is the result of bright stars passing through a dense dust cloud, causing the dust to scatter their blue light. The clotted region in between is also active with starbirth, revealed by the reddish objects emerging from this galactic womb. At top right, globular cluster **NGC 6723** lies far in the background. Both images on these pages: Astro Systeme Austria N8 Newtonian astrograph, FLI ProLine 6303E CCD camera. Total exposure for Corona Australis: 2 hours through LRGB filters.

◀ Deep in the southern constellation of Ara, **NGC 6188** is a large emission nebula slowly being dissolved by the bright, newborn stars at top left in this image. Total exposure: 3 hours through H α and LRGB filters.



▲ While many different gases are present in emission nebulas such as **IC 1805** in Cassiopeia, this cloud's predominant coloration is due to the red light of excited hydrogen. Compare this natural-color image to the one on pages 24–25 for a wonderful demonstration of how other gases are concentrated throughout the nebula. Astro Systeme Austria N8 Newtonian astrograph, FLI ProLine 6303E CCD camera. Total exposure: 2 hours through LRGB filters.



▲ The southern constellation Apus is home to the distant spiral galaxy **IC 4633** (below center), which is shown here to be partly obscured by a large, dusty nebula. Astro Systeme Austria N8 Newtonian astrograph, FLI ProLine 6303 CCD camera. Total exposure: 2 hours through LRGB filters.

