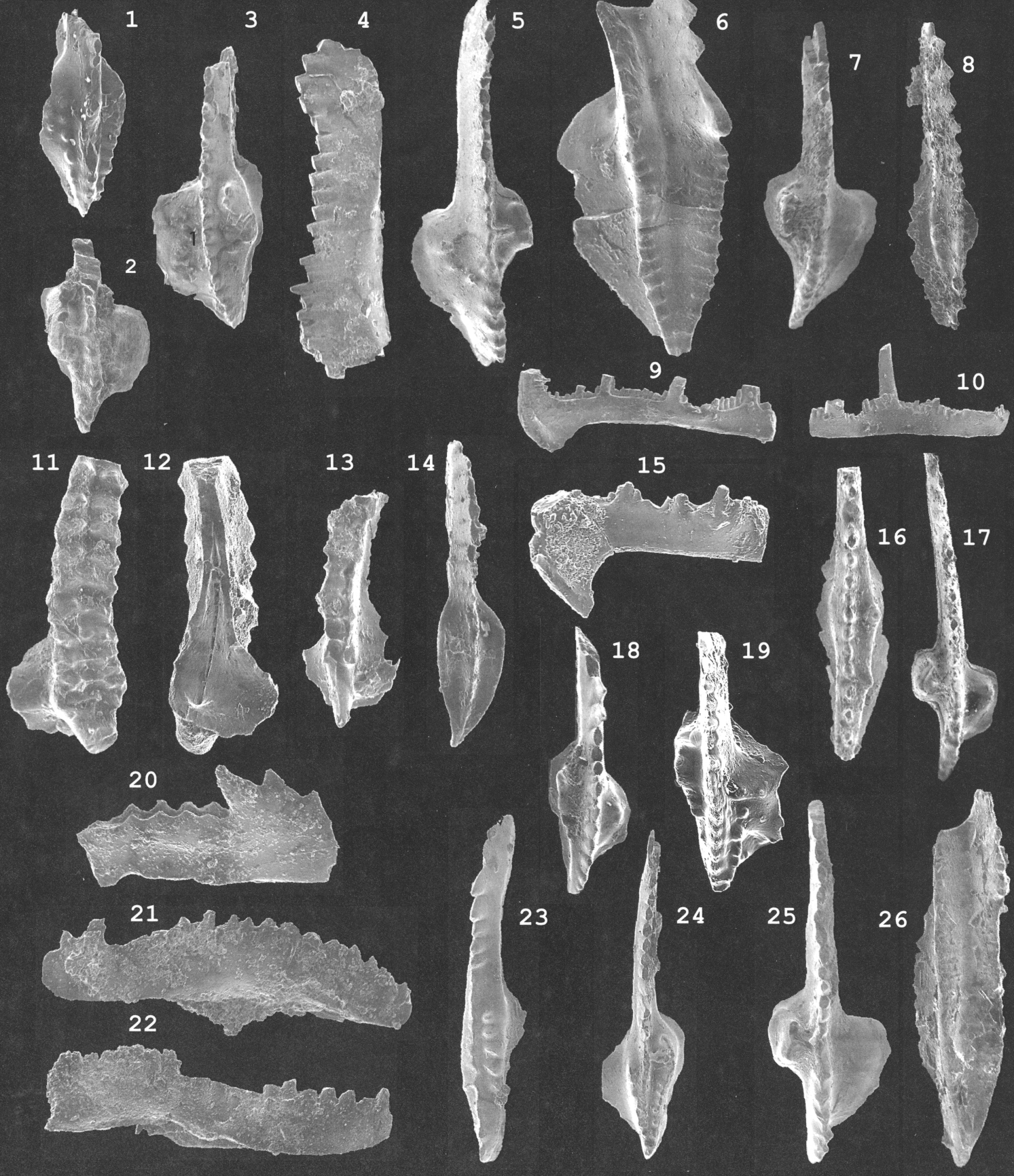PLATE 1