

## ARP PECULIAR GALAXIES

The "Atlas of Peculiar Galaxies" is a catalog of peculiar galaxies produced by Dr. Halton C. Arp.

A total of 338 galaxies are presented in the atlas, which was originally published in 1966. Arp compiled this atlas with photographs from the Palomar 200-inch telescope.

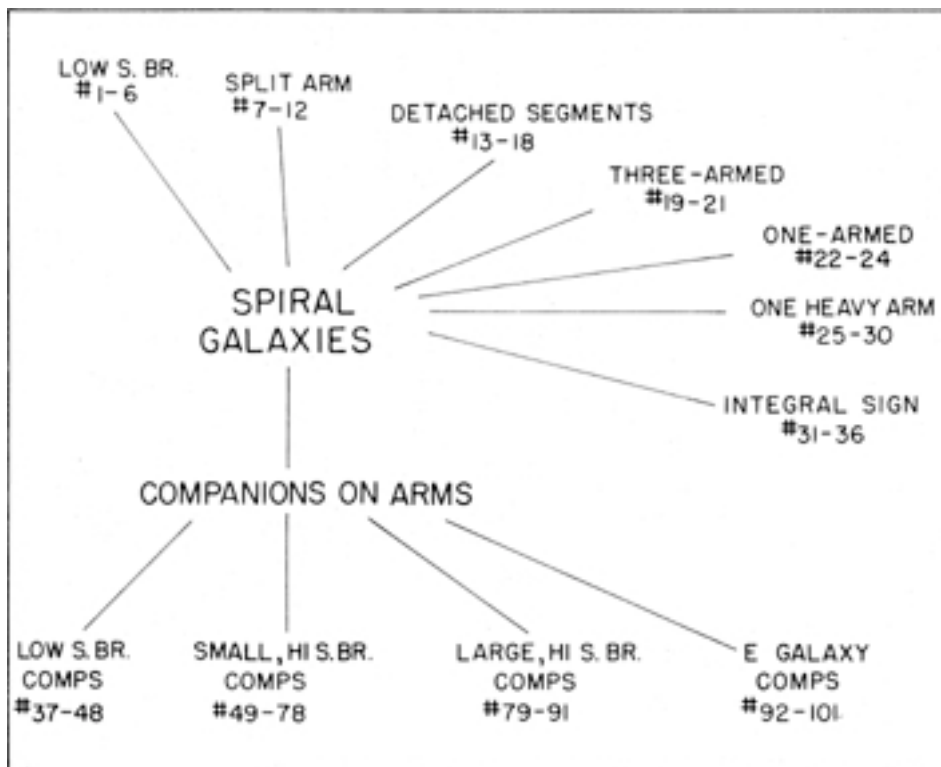
The primary goal of the catalog was to present photographs of examples of the different kinds of peculiar structures found among nearby galaxies.

With this atlas, astronomers had a sample of peculiar galaxies that they could study in more detail.

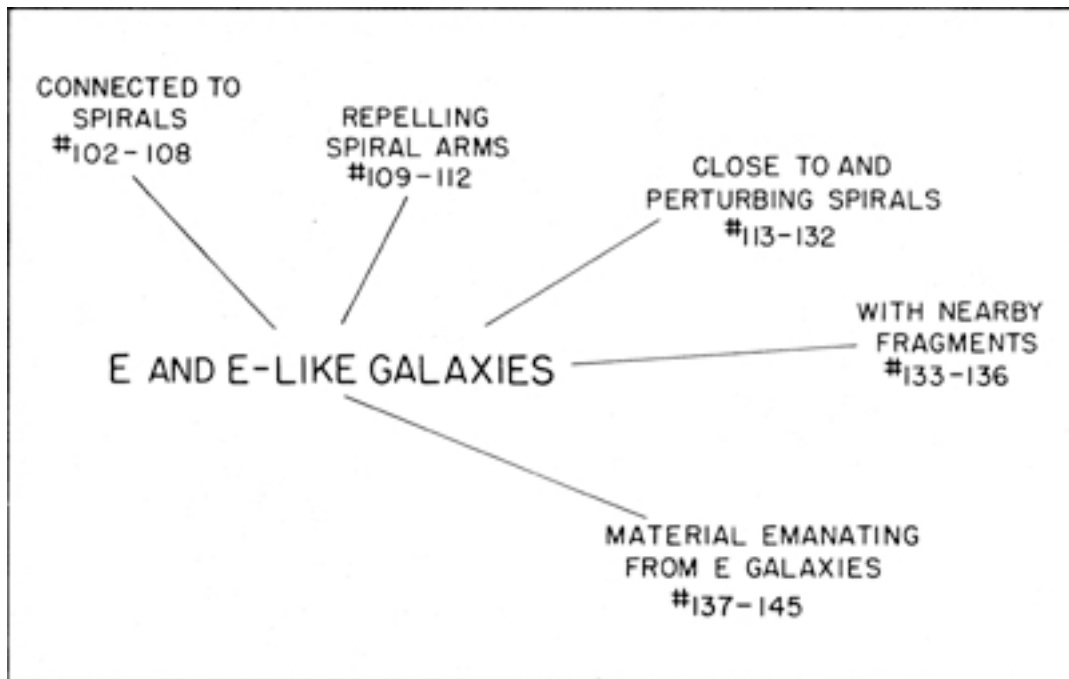
The atlas does not present a complete overview of every peculiar galaxy in the sky, but instead provide examples of the different phenomena as observed in nearby galaxies.

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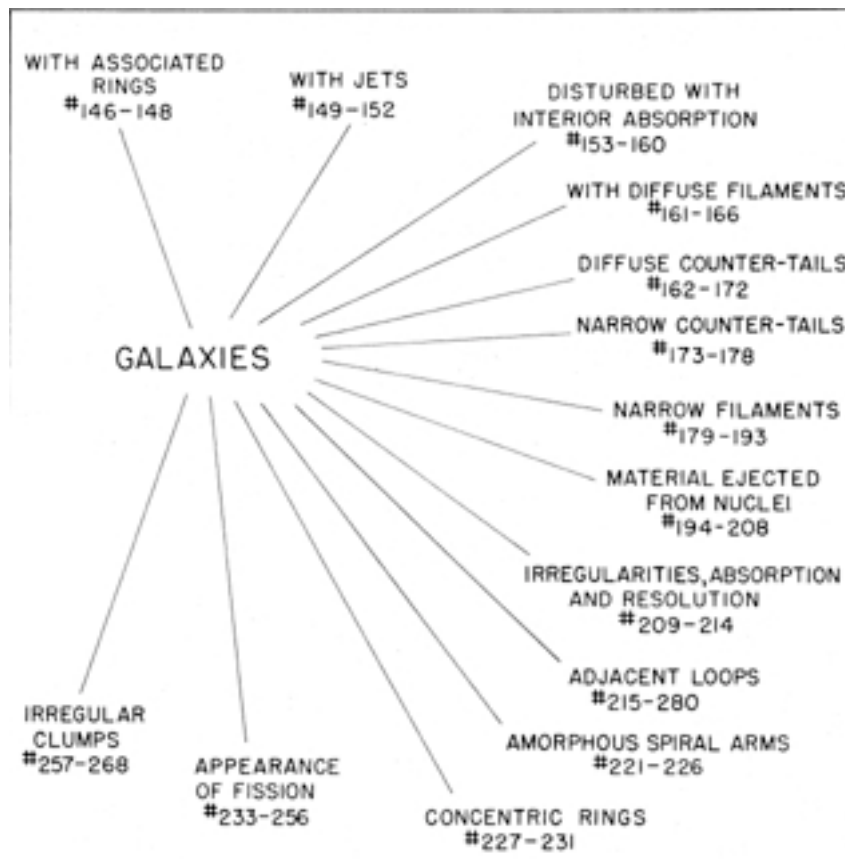
#### ARP 1-101 SPIRAL GALAXIES



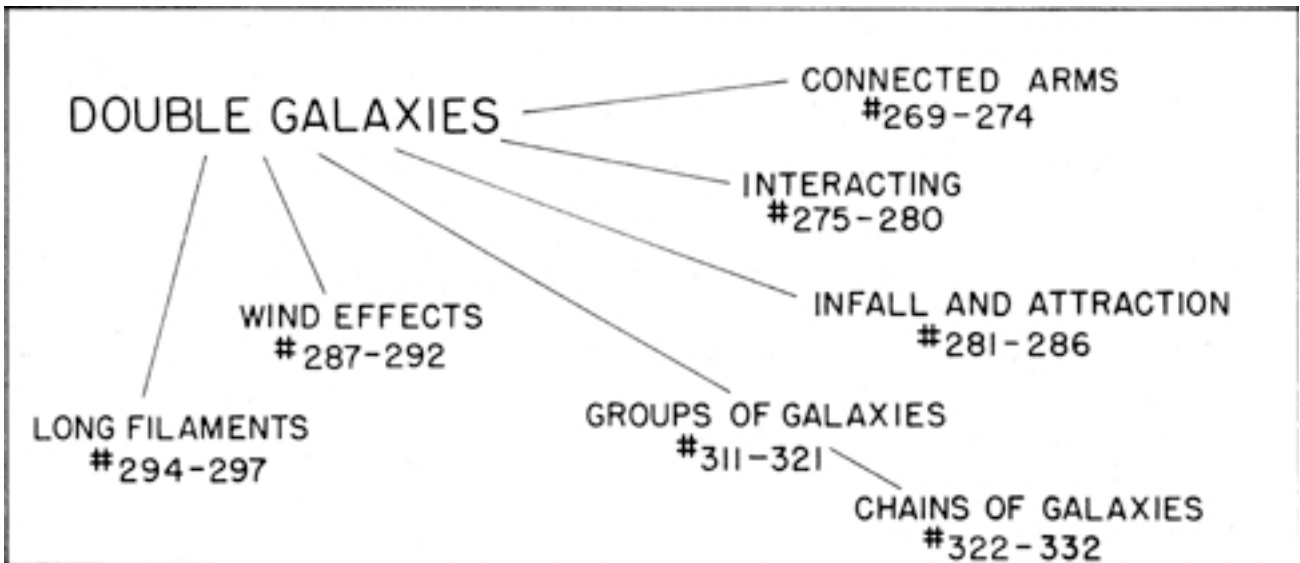
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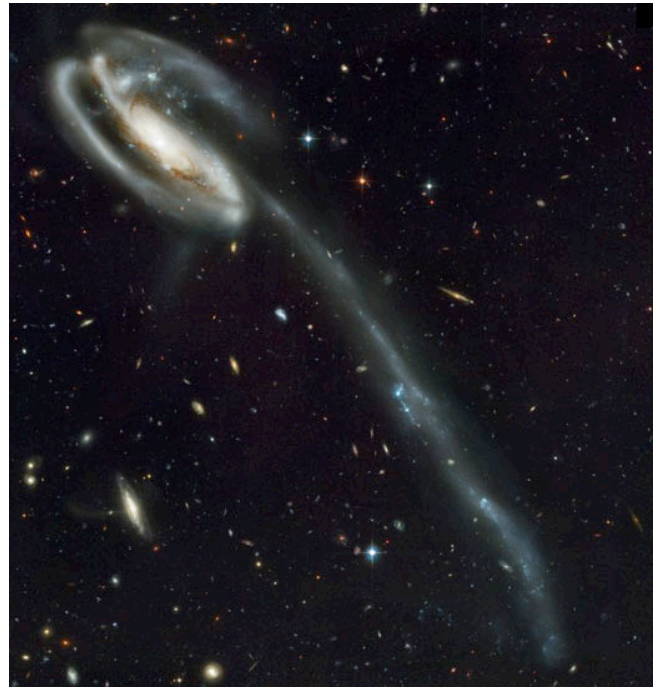
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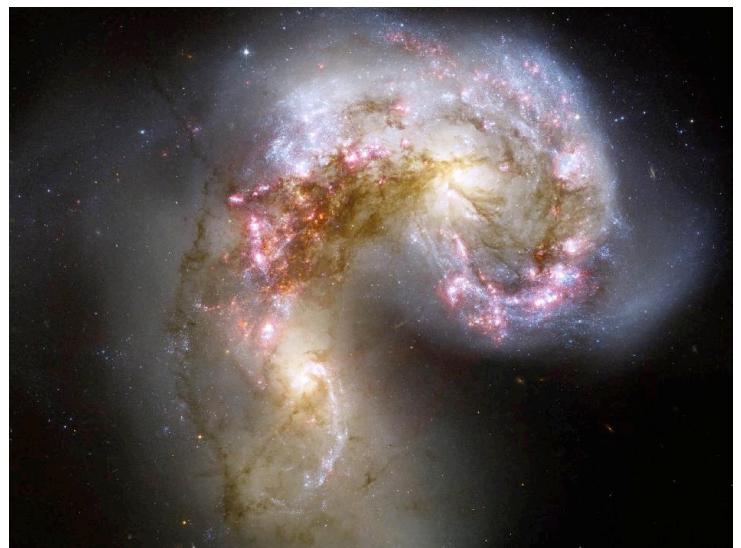
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**ARP 242 MICE GALAXIES**

**ARP 244 ANTENNAE GALAXIES**



There are 6 movies in the UNIVERSE 2 - Introduction Folder.  
These movies show the different types of the Arp Peculiar Galaxies.

THE MAIN-THEMES FOR PIANO IN ARP PECULIAR GALAXIES

CHAINS OF GALAXIES

Musical notation for the piece 'CHAINS OF GALAXIES'. It features a single melodic line on a treble clef staff. The time signature changes from 3/4 to 6/8 and back to 3/4. The lyrics are: C h a i n s o f G a l a x i e s.

CLOSE TO AND PERTURBING SPIRALS

First system of musical notation for 'CLOSE TO AND PERTURBING SPIRALS'. It consists of two staves: a treble staff with a melodic line and a bass staff with accompaniment. The time signature changes from 4/4 to 6/4 and back to 4/4. A triplet of eighth notes is marked in the first measure. The lyrics are: C l o s e t o a n d P e r t u r b i n g.

Second system of musical notation for 'CLOSE TO AND PERTURBING SPIRALS'. It continues the two-staff format. The time signature changes from 4/4 to 6/4 and back to 4/4. A triplet of eighth notes is marked in the first measure. The lyrics are: S p i r a l s.

ELLIPTICAL AND ELLIPTICAL-LIKE GALAXIES

First system of musical notation for 'ELLIPTICAL AND ELLIPTICAL-LIKE GALAXIES'. It features a single melodic line on a treble clef staff. The time signature changes from 4/4 to 6/4. The lyrics are: E l l i p t i c a l a n d

Second system of musical notation for 'ELLIPTICAL AND ELLIPTICAL-LIKE GALAXIES'. It features a single melodic line on a treble clef staff. The time signature changes from 6/4 to 4/4 and back to 6/4. The lyrics are: E l l i p t i c a l - l i k e

Third system of musical notation for 'ELLIPTICAL AND ELLIPTICAL-LIKE GALAXIES'. It features a single melodic line on a treble clef staff. The time signature changes from 6/4 to 5/4. The lyrics are: l i k e l i k e l i k e G a

Fourth system of musical notation for 'ELLIPTICAL AND ELLIPTICAL-LIKE GALAXIES'. It features a single melodic line on a treble clef staff. The time signature changes from 5/4 to 4/4. The lyrics are: l a x i e s.







UNCERTAIN CATAGORY, PROBABLY CONTINUATION OF FILAMENTS

U n c e r t a i n C a t e g o  
r y , P r o b a b l y C o  
n t i n u a t i o n  
o f F i l a m e n t s

The musical score consists of four staves of music. The first staff is in 4/4 time with a key signature of one sharp (F#). The second staff changes to 3/4 time, then back to 4/4. The third staff ends with a 5/4 time signature. The fourth staff begins with a 5/4 time signature and changes to 4/4. The lyrics are written below the notes, with some words underlined.

WIND EFFECTS

W i n d E f f e c t s

The musical score consists of a single staff of music in 4/4 time with a key signature of one sharp (F#). The lyrics are written below the notes.