

## Optical and Radio Observations of Galaxies with Megamaser Emission

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During last two years (1988-1990) nineteen galaxies with megamaser emission have been observed in optical and radio wavelengths. Prime photographs of megamaser galaxies were obtained on 2.6m telescope of Byurakan Observatory. Spectral observations were carried out on 6m telescope of Special Astrophysical Observatory. Radio continuum observations at 3950 MHz have been done on the RATAN-600 radio telescope. Spectrogrammes of the galaxies were obtained with 1000 channel one dimension scanner and in a few cases with two dimension scanner.

Out of nineteen galaxies seven objects show radio emission at 3950 MHz above 15 mJy.

According to prime photographs of observed galaxies it is established that most of them are irregular galaxies with clumps and tails .

Spectral properties of megamaser galaxies are different, i.e. galaxies with absorption lines only, galaxies with emission lines only and galaxies with both emission and absorption lines.