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TITLE: CHINESE SPACE MEDICAL ENGINEERING RESEARCH INSTITUT
DOC REF: JIEFANGJUN HUABAO (JIHUD), 88, NR 7, 2-5
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CHINA, IN ORDER TO DEVELOP ITS OWN MANNED SPACE FLIGHT INDUSTRY, FORMALLY ESTABLISHED THE SPACE FLIGHT MEDICAL ENGINEERING RESEARCH INSTITUTE ON 1 APRIL 1968. THE SPACE ENVIRONMENT IS BASICALLY DIFFERENT FROM THE EARTH SURFACE ENVIRONMENT AND ATMOSPHERIC ENVIRONMENT. THE TASK TO SAFEGUARD MAN IN THE SPECIAL SPACE ENVIRONMENT IS NOT ONLY PROVIDING AN ENVIRONMENT IN WHICH EQUIPMENT AND INSTRUMENTS CAN WORK NORMALLY, IT IS ALSO NECESSARY TO PROVIDE A SPECIAL ENVIRONMENTAL SYSTEM THAT ALLOWS MAN TO LIVE AND WORK, THE LIFE SUPPORT SYSTEM. THIS LATTER SYSTEM IS THE RESEARCH MISSION OF THE SPACE FLIGHT MEDICAL ENGINEERING RESEARCH INSTITUTE.

THE RESEARCH INSTITUTE IS UNDER THE LEADERSHIP OF THE WELL KNOWN SCIENTIST, QIAN XUESEN AND USED SYSTEMS ENGINEERING THEORY AND METHODS TO RESOLVE A NUMBER OF PROBLEMS IN THE LIFE SUPPORT SYSTEM AND SPACE FLIGHT SERVICE DEVELOPMENT IN THEIR RESEARCH OVER A NUMBER OF YEARS. THEY HAVE TRAINED A CORPS OF MEDICAL ENGINEERS AND HAVE ESTABLISHED AN EXCELLENT FOUNDATION FOR THE DEVELOPMENT OF CHINA'S SPACE FLIGHT INDUSTRIES.

IN MEDICAL ENGINEERING RESEARCH FOR MANNED SPACEFLIGHT, THE SCIENTISTS AND TECHNICIANS OF THIS INSTITUTE ARE, ON THE ONE HAND, CATCHING UP WITH WORLD ADVANCED LEVEL AND, ON THE OTHER HAND, MAKING THE BEST OF OUR OWN STRONG POINTS, IN AN ATTEMPT TO FIND A NEW PATH FOR SPACE FLIGHT MEDICAL ENGINEERING IN CHINA WITH CHARACTERISTICS BASED ON CHINA'S ACTUAL CIRCUMSTANCES. IN THE PREVENTIVE MEDICINE AREAS OF MOTION SICKNESS AND BONE CALCIUM LOSS IN SPACE, NOISE AND RADIATION HAZARDS, ETC. BASED ON THE PRIMARY CONTRADICTION IN THE SPACE MEDICINE PROBLEM BEING MALADJUSTMENT, AND THE PRIMARY CHARACTERISTIC OF CHINESE MEDICINE BEING ADJUSTMENT, WE ARE POSITIVELY APPLYING THE THEORY AND METHODS OF OUR TRADITIONAL MEDICINE (CHINESE MEDICINE, CHINESE HERBAL MEDICINE, QIGONG A SYSTEM OF BREATHING EXERCISES, ETC.) AND HAVE ATTAINED PRELIMINARY RESULTS. THIS TYPE RESEARCH METHOD HAS GAINED INTERNATIONAL INTEREST. AT PRESENT, THIS INSTITUTE IS CARRYING OUT EXPANSION AND INTERNATIONAL EXCHANGES AND COOPERATION.

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