## Galileo's Belated Rehabilitation?

KAREL HUJER:

November 10, celebrating Einand faith which belong togethfinding fruitful light on science quested the assembled scien-Paul II expressed a wish for a stein's centenary, Pope tifical Academy of Science last centered world view." support of the Copernican sunwas brought about by his open that Galileo and Einstein are rehabilitate Galileo in view of tists, historieus and theoelo-Council, the Holy Father reguidance of the II Vatican condemnation. Following the review of Galileo's historical be aware that Galileo's trial symbols of an era and we must whichever side is wrong ..., to boration and fair consideration At the meeting of the Pon-We cannot hide the fact injustice, "in the spirit of colladisregarding John

Dei Dugento of the historical medieval attire with fanfare ities, in the sumptuous hall of an incomparable rise of phyvolution which since the Re-Newtonian first scientific re-Palazzo Vecchio, musicians in pices of leading Italin authorhis native Pisa. Under the ausbirth, in 1964, in Florence and tenary celebration of Galileo's tion at the solemn quatercensical science of the 19th cennaissance is in the foundation the concept of the Galileanlileo passed away, merged into ton, born in 1642, the year Gato honor the pioneer of classicthe gathering of delegates al physics. In this, Isaac Newfrom the entire cultural world proclaimed the opening of the International Symposium at This recalled my participa-

gorgeous sepulchre next to Michelangelo's in the Santa Croce church in Florence testifies to full recognition while Leonardo of a new age. No single comed essays at this Symposium, rehabilitation from heresy. His ment suggested any need for ablished in the galaxy of im-Galileo, was evidently well estmortal nestors of the science In many eulogies and learndents to

Gierdano - Bruno, was burned dex since 1616. After the monk which one year later brought lication was already on the In-Copernican idea when its publileo at a dangerous time quite, genial pioneering treatisc on scribed at the Symposium as a Church authorities, was dewhere in French exile. Galileo's undiplomatically defended the tion. In this famous volume Gathe relativity of physical mo-"Dialogue" published in 1632, dramatic conflict with do.

Grand Duke of Tuscany. Thus, friendship and hospitality of Pope Urban VIII and the viously secured for him the only the great popularity of Galileo's experiments and his on the stake in 1600, it was the powerful Inquisition. It was precarious to rock the boat of lication. prohibition of any further pubhis life to house arrest and at his age of 69 years, Galileo

safe philosophy in the medieval breeding ground of the forthtended to improve the mathe- of atoms and vacuum as dargraphical image, Galileo is mained faithfully dedicated to paved the way for the meteorthis exposition. Copernicus re- able. Neither forecaw that they appreciatingly accepted. Noth- of determinism, where every-Paul III which the Holy Father of the universe as a machine lestial Orbs" in 1543 to Pope events, they shaved the image volume "On the Motion of Ce- Newton, mechanized all cosmic humbly dedicated his famous Galileo, followed by pious Coperatous, Actually the latter early Church Tothers, When Frombork cathedral, Nicholas ly suppressed since the time of did the Catholic Canon of Gassendi. This view was sternearth-centered world view as younger contemporary Pierre matically complex Ptolemaic ingly revived by Galileo's tive theologian. He merely in- in which the universe consists considered as a very conserva- ancient notion of Democritus mentality. Actually Galilec in-Aristotelian scholasticism, a ic rise of materia ism, a natural ing dangerous was found in thing is computable and knowtroduced a non-Aristotelian At present, in the historio- without God. Thus he gave-and impulse for the :eturn of the

trial now available in the XIX demned for what he did not we find that Galileo was convol. of the Edizione Wazionale documents of the entire 1633 prove. When we examine the is moving that was the principal accusation against Galiwas the teaching that the earth leo, and this it lileo did not losopher, was wrong. But it Aristotle, the speculative phi-

was condemned for the rest of of the human soul and introman's existence and salvation ritual universe concerned in matter in motion, a universe in man's fate, a universe of duced a universe unconcerned leo replaced the Christian spihis empirical rationalism Galiquisitorial prelates or Galileo transgression of which the inand historians in the present himself were not aware. With committed a far more serious volution maintain that Galileo' rise of the second scientific re-

coming marxism.

death."

masks, and behind the masks,

as he showed a one hundred System." It produced an over-pound ball reaching the ground whelming influence on ninewhat mother nature tells us, ed the "Origin of the World which secured for him an ex- quential details of the first plosive popularity first in Pisa scientific revolution, the genial tomes of Aristotle and see University. He advised his stuand then at the liberal Padua novelty - the experiment abandon the dusty atheist of the French revolu-tion, P., S. Laplace, in his volton, adheering to ume published 1796, on a purely mathematical basis explain-Some six decades after Newall conse-

da Vinci's grave is lost some. | at the same intant as a one teenth century thinking. Since pound ball, thus proving that, Galileo and Newton accepted mentor of Einstein, the physiurable scientific facts, the Gaas the only reality such measof reminding his students: "Senses do not lie but they do cist, Ernst Mach, never tired the only reality in sense-pererrunners of the present Marxwere unaware they became forweight, shape and motion, they lilean ist-Leninist dogmas, based on primary

Now physicist, philosophers thing is ultimately knowable. E. J. Dijksterhuis in his work states: on the history of science sist that in our universe everyless, marxist dogmaticians innot tell us truth." Neverthe-

universe led with irresistible of God as a retired engineer consistency to the conception tion was only a step." and to his complete elimina-"The mechanization of the Yes, when man denies God

to be self-sufficient, man has god. The late Christian philoing to find himself; he finds the universe upside down tryin vain for himself; he turns lost track of his soul. He looks Princeton, maintains: quently visiting professor at sopher, Jacques Maritain, frehe is bound to make himself a "Having given up God so as

on the vast cemeteries of wars ous promise of science as a ·lilean science · in · technology, servant of man was thwarted vard, points out that in the ness and morality. The fabuloutstripped his growth in good-Renaissance man's science far ed his life as an exile at Haryet it lacked growth in moralcleverness, due to applied Gamenal rise in man's intellectual last four centuries since the ity. Pitirim Sorokin, who endbol of an era of the phenochanged. Indeed, he is the symas it stands. History cannot be pitfalls. Today, let us leave it tation thus contains dangerous Galileo's suggested rehabili-

qualities, and global conflicts. This fatal light of a redeeming universe. an undreamed of rebirth in the the forthcoming centuries by vilization can only be healed in wound on the body of our ci-February 15, 1564) February 15, 1980 of Tennessee in Chattanooga (Galileo Galilei, Chattanooga, Tenn. Guerry Professor Karel HUJER, Emeritus at the University

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