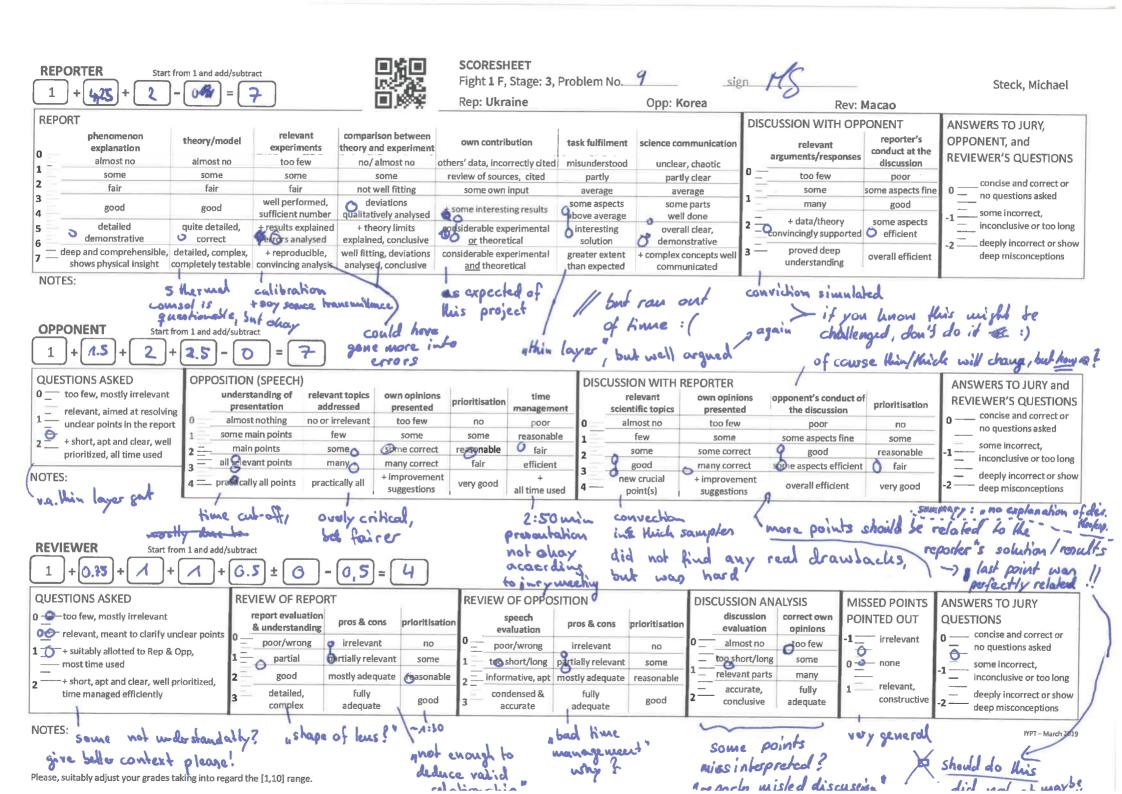
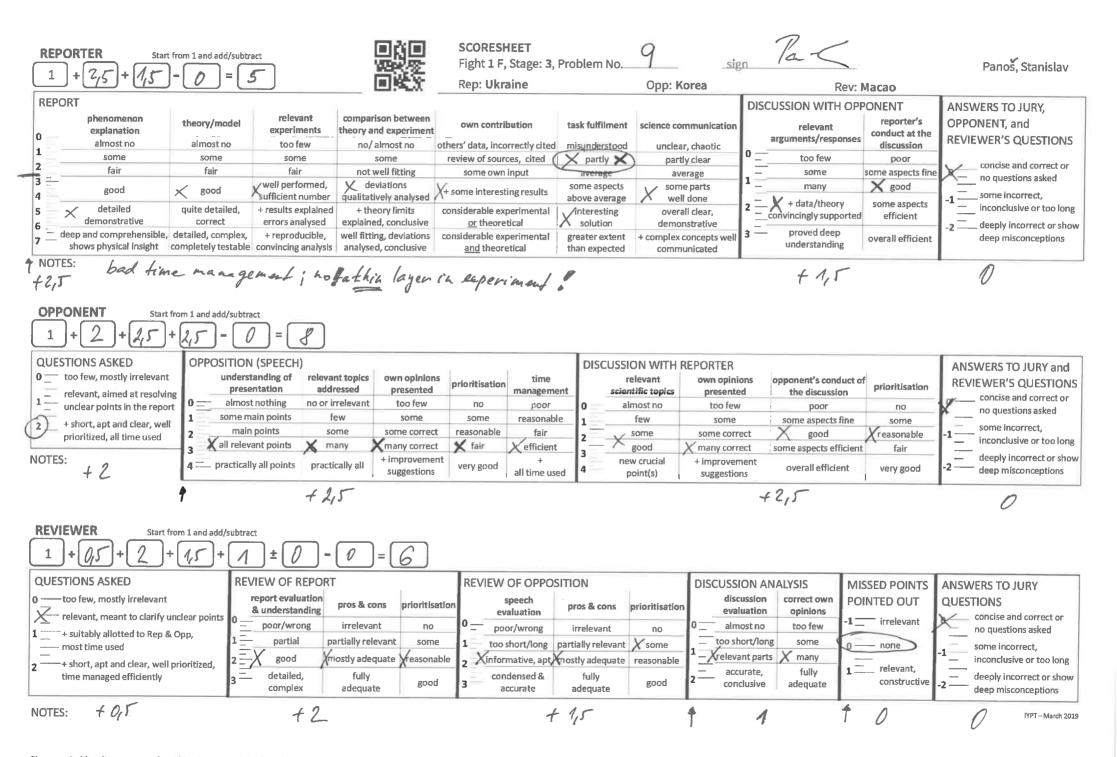
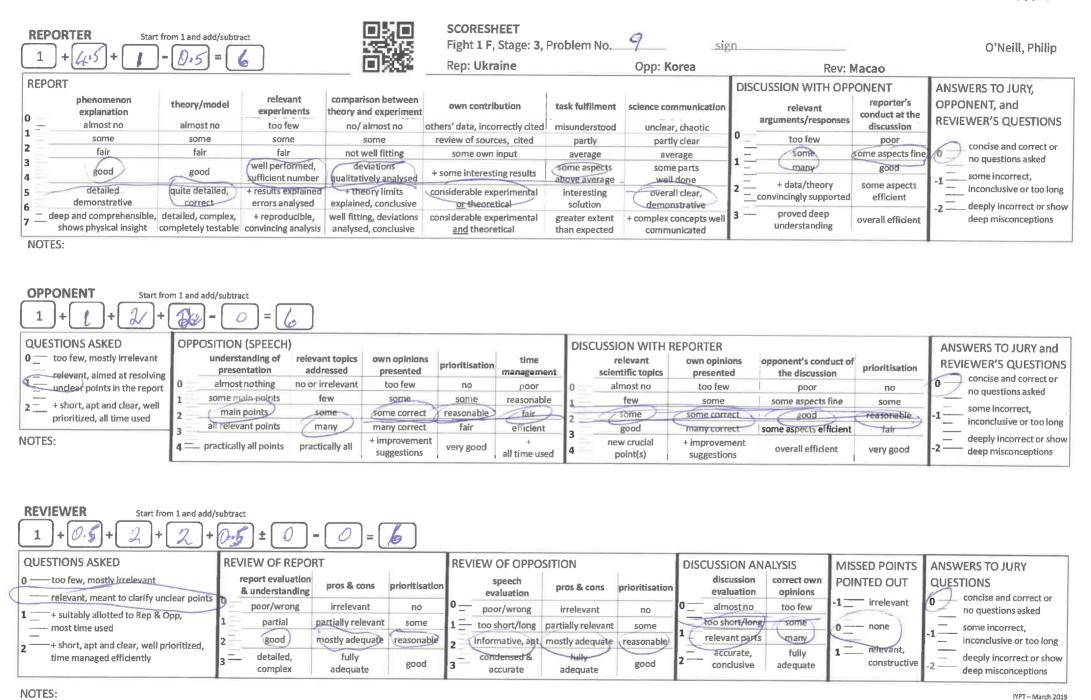
REPOR	TER Start fr	om 1 and add/subtra	act		SCORESHEET		9	V.		
1 +	3.5 + 1.5 -	0 = 6		4.54	Fight 1 F, Stage: 3,	Problem No		gn - Ci jenn		Jennings, Gavin
					Rep: Ukraine		Opp: Korea	F	Rev: Macao Rej	ject problem 2
REPORT	Voladymy phenomenon	or Mashel	yts relevant	comparison between				DISCUSSION WITH	OPPONENT	ANSWERS TO JURY,
0	explanation	theory/model		theory and experiment	own contribution	task fulfilment	science communication		reporter's conduct at the	OPPONENT, and
1	almost no	almost no	too few		others' data, incorrectly cited	misunderstood	unclear, chaotic	arguments/respo	onses discussion	REVIEWER'S QUESTIONS
2	some	some fair	some	some not well fitting	review of sources, cited	partly	partly clear	too few	poor	concise and correct or
3	good	— good	well performed,	deviations	some own input	some aspects	average some parts	1 some many	some aspects fine	no questions asked
4 =	detailed	<u> </u>	sufficient number	qualitatively analysed	+ some interesting results	above average	well done	+ data/theor		-1 some incorrect,
5 —	demonstrative	quite detailed, correct	+ results explained errors analysed	+ theoly limits explained, conclusive	considerable experimental or theoretical	interesting solution	overall clear, demonstrative	convincingly supp		inconclusive or too long
	and comprehensible, d		+ reproducible,	well fitting, deviations	considerable experimental	greater extent	+ complex concepts we	3 — proved deep		deeply incorrect or show deep misconceptions
NOTES:	ows physical insight co	ompletely testable	convincing analysis	analysed, conclusive	and theoretical	than expected	communicated	understandin		
NOTES.	posten the	ewy so	und but	only part	ally filled d	ne 10 cm	rette theha	ss not mues	Agated and	(use of
	different 1	aser 1	*						-	,
OPPON	ENT Start fro	om 1 and add/subtra	ct							2.7.2
1	1,2 + 2:0+			4.4						
	11-11-EVI	2 - 0	7-6	Minseock	lee					
	NS ASKED	OPPOSITION	(SPEECH)			DISCUSSIO	ON WITH REPORTER			ANSWERS TO JURY and
_	ew, mostly irrelevant	proco	-	t topics own opinion	prioritisation		levant own opin		nninritication	REVIEWER'S QUESTIONS
1.1	ant, aimed at resolving ear points in the report	la l	nothing no or in	- Production	no poor		tific topics present		on .	o concise and correct or
	ort, apt and clear, well	1 some ma	ain points fe		some freasonabl		fewsome		fine some	no questions asked
	itized, all time used	_	points soi			2 = 5	some some cor	- Commence	reasonable	-1 some incorrect, inconclusive or too long
NOTES:		3	ent points ma	± improveme		3	good many cor		ficient fair	— deeply incorrect or show
			y all points praction	ally all suggestions	very good all time use		v crucial + improve pint(s) suggesti	Overall efficie	ent very good	-2 — deep misconceptions
2	teta discu	resion 16	unce ec	My. 1m	had time does	anot te	all us an	· · · · · · · · · · · · · · · · · · ·	out relat	- thubness
<	f consette	lunge,		J	1111			100	0	CC (Manually)
REVIEW	FR Start fro	m 1 and add/subtrac	t W44	Ian Lou.						
	5.4				(0)					
1+	[,2]+[,2]+	1.5 + 1.5	s] ± 0	0.2 =	(Six)					
QUESTIO	NS ASKED	REV	IEW OF REPORT		REVIEW OF OPPOS	ITION	DISCUS	SION ANALYSIS	MISSED POINTS	ANSWERS TO JURY
0 —too fe	ew, mostly irrelevant		eport evaluation	pros & cons prioritis	cmooch		dis	cussion correct own	POINTED OUT	QUESTIONS
relev	ant, meant to clarify un	clear points 0	st understanding		evaluation	pros & cons		aluation opinions	-1 irrelevant	concise and correct or
1+ suit	tably allotted to Rep & C	Орр,	poor/wrong partial pa	irrelevant no	poor/wrong	irrelevant	110	nost no too few	-1_ IIIelevant	no questions asked
most			-	rtially relevant some	T 100 SHOTCHOILE	partially relevant	301116	hort/long some ant parts many	0 none	-1 some incorrect,
6 ₀	rt, apt and clear, well p	rioritized,	good mo	ostly adequate reasona	2======================================		reasonable	curate, fully	1 relevant,	inconclusive or too long
time	managed efficiently	3	complex	fully good	3 condensed & accurate	fully adequate	. 12	iclusive adequate	constructive	-2 deeply incorrect or show deep misconceptions
NOTES:	Instal ~	10.00	Dc (- L	, one point w		- \ \ \ -	104		
NUTES.	continue of	and of	~>> C93	-> Time or	- ore yorki w	were also	cussion begi	ns between	reporter an	ad opponent . IMPT - March 2019

1 + 5 + 1.5	from 1 and add/subtra	ect		SCORESHEET Fight 1 F, Stage: 3, Rep: Ukraine	Problem No	Opp: Korea		: Масао	Mnevets, Daniil	
REPORT 4, 5 – 6 phenomenon explanation almost no some	theory/model almost no some	relevant experiments too few some	comparison between theory and experiment	own contribution others' data, incorrectly cited review of sources, cited	task fulfilment misunderstood partly	science communication unclear, chaotic partly clear	DISCUSSION WITH OI relevant arguments/response	PPONENT /5-2 reporter's	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS	
17 —	fair good duite detailed, correct detailed, complex, mpletely testable	results explained errors analysed + reproducible, convincing analysis	not well fitting deviations qualitatively analysed theory limits explained, conclusive well fitting, deviations analysed, conclusive	+ some own input + some interesting results onsiderable experimental or theoretical considerable experimental and theoretical	average some aspects above average interesting solution greater extent than expected	average some parts well done overall clear, demonstrative + complex concepts well communicated	some many + data/theory convincingly supporte proved deep understanding	some aspects fine good some aspects	oncise and correct or no questions asked some incorrect, inconclusive or too long deeply incorrect or show deep misconceptions	
WOLSN't ex	NOTES: Strong theoretical part, good comparison and detaleiled explanation, rings" expect									
QUESTIONS ASKED 35-1 0 too few, mostly irrelevant relevant, aimed at resolvin unclear points in the repor 2 + short, apt and clear, well prioritized, all time used NOTES:	present almost the present the	anding of relevantation address of relevantation address of relevantation and relevantation relevantation and relevantat	nt topics own opinion presented too few some correct many correct times and suggestions	no poor reasonable t fair efficient nt +	re scient 0 alm	DN WITH REPORTER Ilevant own opinitific topics presente too few some corre or crucial opinit(s) suggestion , /ack Ok	d the discussion poor one aspects fine ect good ect some aspects efficient	no some reasonable nt	ANSWERS TO JURY and REVIEWER'S QUESTIONS concise and correct or no questions asked some incorrect, inconclusive or too long deeply incorrect or show deep misconceptions	
Points Were mostly irrelevant (conrection, To), lack of opinion, time management REVIEWER Start from 1 and add/subtract 1 + 0.5 + 1.5 + 2 + 1 ± 0 - 0 = 6										
OUESTIONS ASKED 0.5 too few, mostly irrelevant relevant, meant to clarify u suitably allotted to Rep & most time used + short, apt and clear, well time managed efficiently	nclear points 0	partial	pros & cons prioritis: irrelevant no artially relevant some ostly adequate easona fully adequate good	evaluation o poor/wrong too short/long informative, applications	pros & cons pros & cons pros & cons	orioritisation no some reasonable disceval eval toosh releval	ussion correct own uation opinions ost no too few	IISSED POINTS OINTED OUT irrelevant none relevant, constructive	QUESTIONS Concise and correct or no questions asked some incorrect, inconclusive or too long deeply incorrect or show deep misconceptions	
NOTES: MOStly to	the soum	e prop	lems as 1	for opp, h	ut we	'll stracti	ured and	presen	Ted NPT-March 2019	

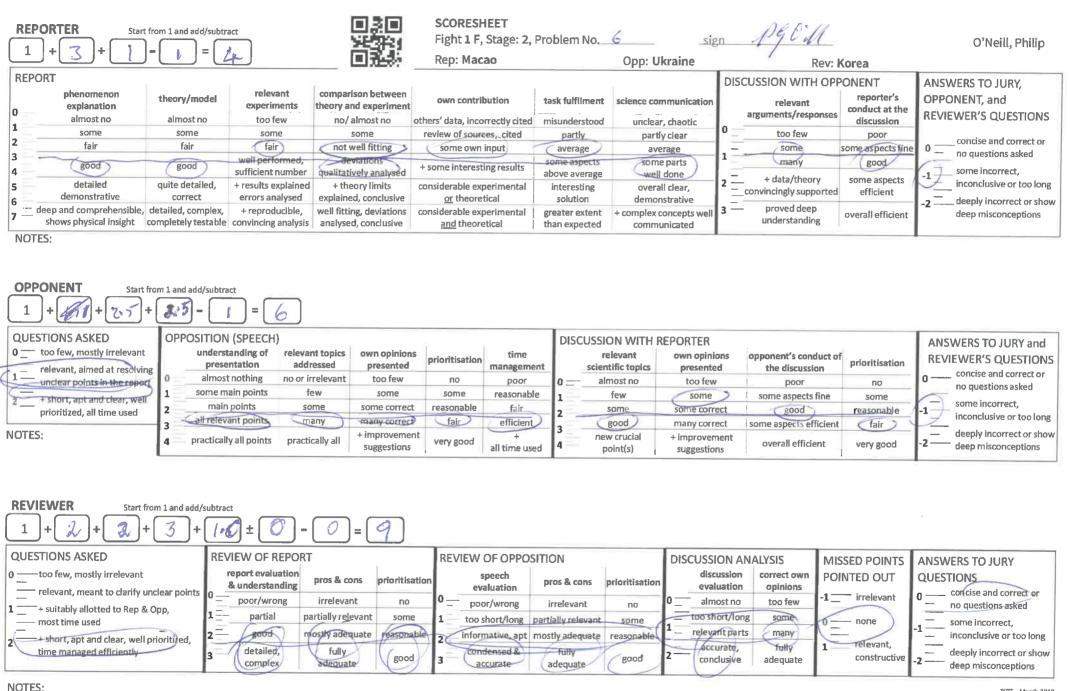


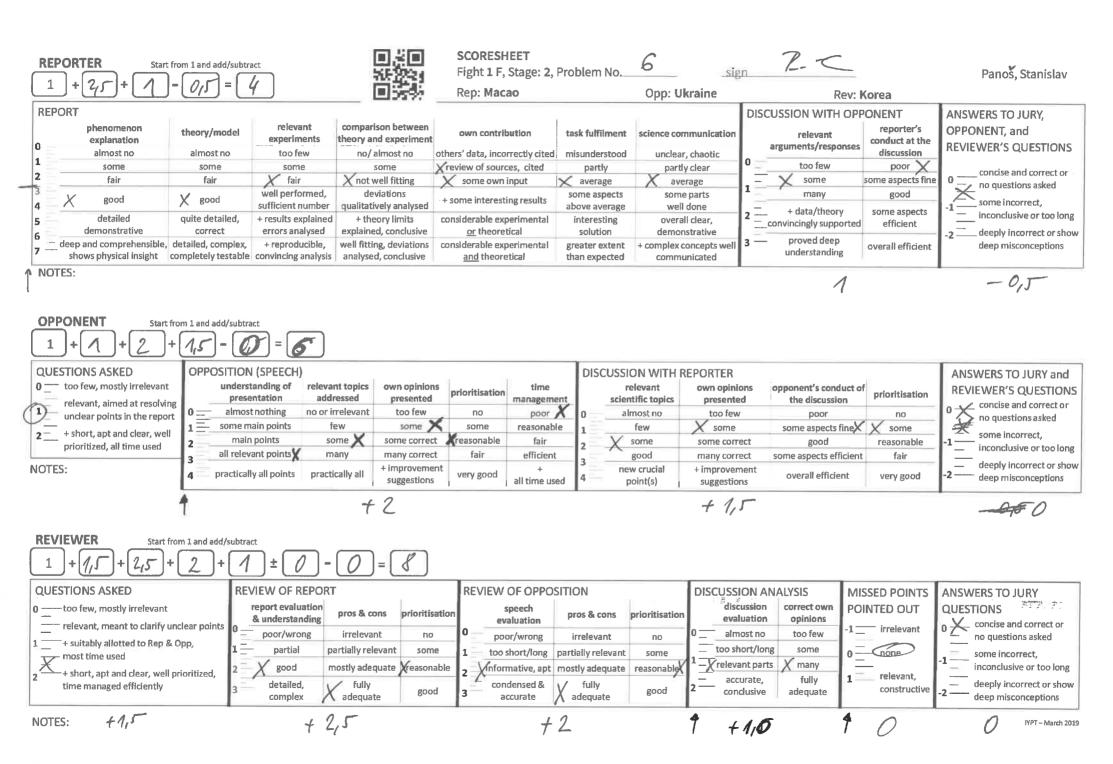


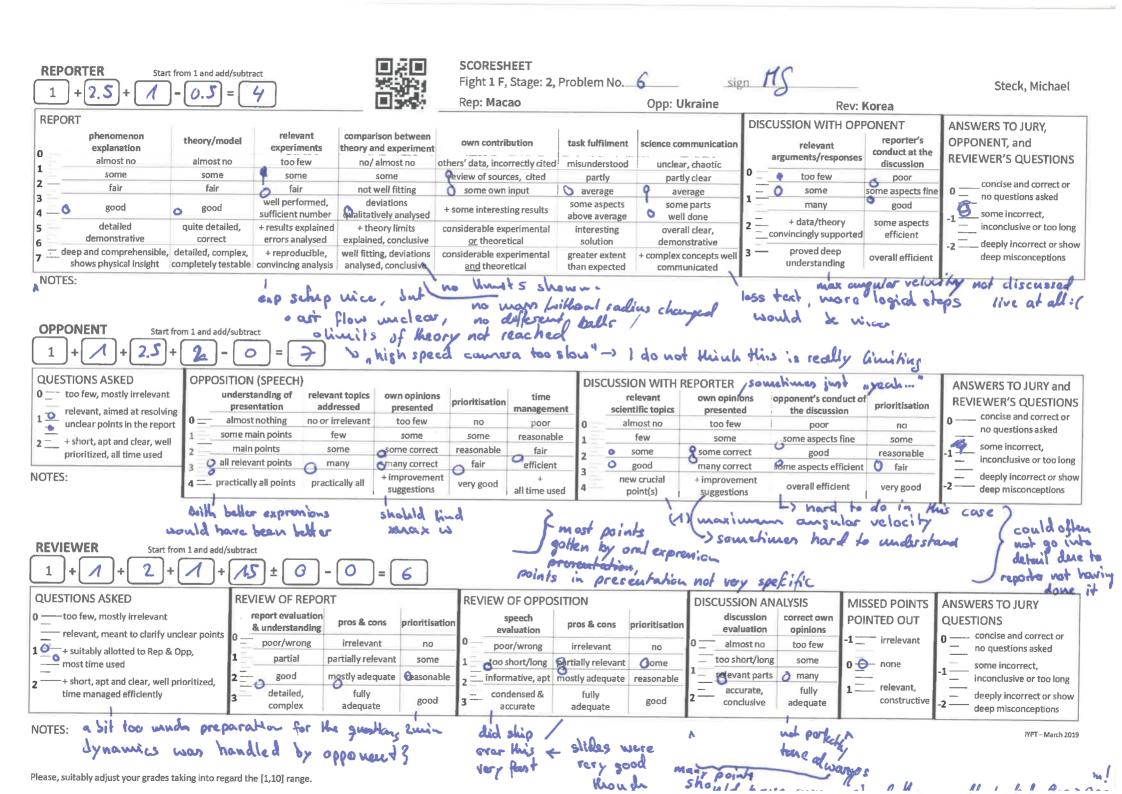


REPORTER Start from 1 a	and add/subtract		SCORESHEET Fight 1 F, Stage: 2, Rep: Macao	Problem No	Opp: Ukraine	n refer) g ev: Korea Re	Jennings, Gavin	
phenomenon explanation almost no alr some fair good detailed quite demonstrative co	tely testable convincing analysis	comparison between theory and experiment no/ almost no some not well fitting deviations qualitatively analysed + theory limits explained, conclusive well fitting, deviations analysed, conclusive	own contribution others' data, incorrectly cited review of sources, cited some own input + some interesting results considerable experimental or theoretical considerable experimental and theoretical	task fulfilment misunderstood partly average some aspects above average interesting solution greater extent than expected	science communication unclear, chaotic partly clear average some parts well done overall clear, demonstrative + complex concepts well communicated	DISCUSSION WITH relevant arguments/respon too few some many + data/theory convincingly suppo proved deep understanding	OPPONENT reporter's conduct at the discussion poor some aspects fine good some aspects rted efficient	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS concise and correct or no questions asked some incorrect, inconclusive or too long deeply incorrect or show deep misconceptions	
1 + 1 · 2 + 1 · 5 + 1 · ·	presentation add almost nothing no or i some main points f main points so all relevant points m practically all points practi	nt topics own opinions presented too few some some correct any + improvement suggestions	no poor some reasonabl reasonable fair efficient	DISCUSSIC re scient 0 alm alm e 1 2 5 3 6 new	DN WITH REPORTER own opinitific topics nost no few some some some corr good many corr v crucial + improven suggestion	d the discussion poor some aspects fi ect good ect some aspects efficient ns overall efficient	n no ne some reasonable cient fair	ANSWERS TO JURY and REVIEWER'S QUESTIONS o concise and correct or no questions asked some incorrect, inconclusive or too long deeply incorrect or show deep misconceptions	
REVIEWER Start from 1 and add/subtract 1 + 1.8 + 2.0 + 2.0 + 1									

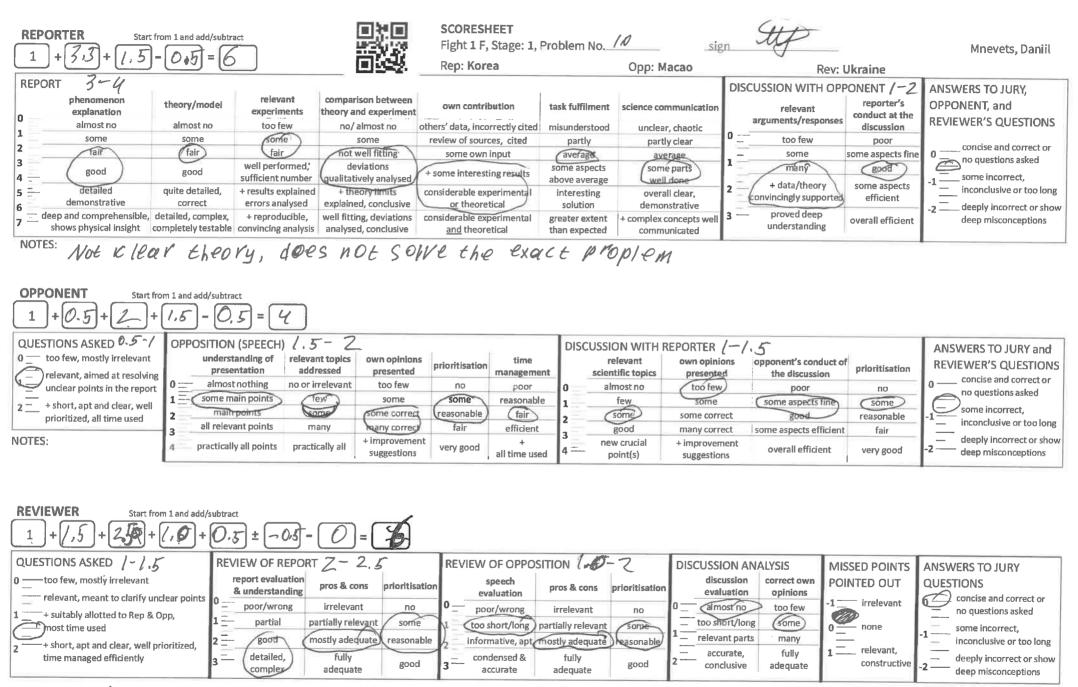
REPOR'	TER Start	from 1 and add/subtr	act		SCORESHEET Fight 1 F, Stage: 2,	Problem No		n Aff		Mnevets, Daniil
05000					Rep: Macao		Opp: Ukraine	Rev:	Korea	
REPORT	2,5 - 4 phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	science communication	DISCUSSION WITH OP relevant arguments/responses	reporter's	ANSWERS TO JURY, OPPONENT, and
1	almost no	almost no	too few	no/almost no	others' data, incorrectly cited	misunderstood	unclear, chaotic	0	discussion	REVIEWER'S QUESTIONS
2	some	some	some	some	review of sources, cited	partly	partly clear	too few	POOL	concise and correct or
3	fair	fair	fair well performed,	not well fitting	some own input	average	average	some	ome aspects line	no questions asked
4	good	good	sufficient number	qualitatively analysed	+ some interesting results	some aspects above average	some parts well done	many	good	some incorrect,
5	detailed	quite detailed,	+ results explained	+ theory limits	considerable experimental	interesting	overall clear,	2 - + data/theory	some aspects	inconclusive or too long
6	demonstrative	correct	errors analysed	explained, conclusive	or theoretical	solution	demonstrative	convincingly supported	efficient	deeply incorrect or show
7	and comprehensible, ows physical insight		+ reproducible,	well fitting, deviations	considerable experimental	greater extent	+ complex concepts well	3 proved deep understanding	overall efficient	deep misconceptions
NOTES:			convincing analysis	analysed, conclusive	and theoretical	than expected	communicated			
OPPON 1 +	NOTES: Incorrect comparison Of theory with exp (used exp velocity in the ory), so they match any veg) Had to verify his assumtions OPPONENT Start from 1 and add/subtract 1 + 1.5 + 1 + 1.5 - 1 = 4									
QUESTIO	NS ASKED 1.5 7	2 OPPOSITION	I (SPEECH) 🖊 🗸 💪	- Z		DISCUSSIO	ON WITH REPORTER	1.5-2.5		ANSWERS TO JURY and
0 too i	few, mostly irrelevant		-	nt topics own opinior	s prioritisation time		elevant own opini		of	REVIEWER'S QUESTIONS
_ relev	vant, aimed at resolvir	IB		essed presented	manageme		tific topics presente		prioritisation	concise and correct or
uncl	ear points in the repor			relevant too few	no poor søme reasonabl		nost no too few		по	no questions asked
\	ort, apt and clear, well			me some correc			few some		some	some incorrect,
prior	prioritized, all time used 2 some correct good reasonable inconclusive or too long									
NOTES:	3 an relevant points many correct rair efficient fair — deeply incorrect or show									
	h			ally all suggestions	very good all time use	4		overall efficient	very good	-2 deep misconceptions
1	usher	N los	+ 60 0	ana wie	20/4/1		- 1			
	MACAIL 23		une a	gnamic 3	Olytion W	itho &	Ut Expla	rining Wh	y the	repros sol. is what
051415101	vujn cuj.	scussing	the lep	'S SOLUTION	1, but his e	MIN COM	OSLIQUE M	Vous 11 aug	. // 000	in the same
REVIEW	EK Start f	rom 1 and add/subtra	rt		ا (۱۱ ۱۱۱)	nn Eu	e scions T	rom nis ow	1 ENFOR	e = ical approan
1 +	1 + 1.5 +	+ 2.2 + 1.1	c] ± [(^)] -	05=7						······
	ب س	13) (10								
QUESTIO	ns asked / ~	1,5 REV	IEW OF REPORT	1.5-2	REVIEW OF OPPOS	ITION 2 -	2,5 DISCUSSI	ON ANALYSIS/-/5 M	ISSED POINTS	ANSWERS TO JURY
0too f	ew, mostly irrelevant		report evaluation	pros & cons prioritis	ation speech	pros & cons	ariaritication .		INTED OUT	QUESTIONS
refev	ant, meant to clarify u	inclear points 0	& understanding		evaluation	pros di cons	eval	uation opinions	irrelevant	o concise and correct or
Sui	tably allotted to Rep 8	Opp,	poor/wrong	irrelevant no	poor/wrong	irrelevant	110	OSCITO CODIEW	_ iircicvane	— no questions asked
most	time used	1 =		rtially relevant soon	1 too short/long	partially relevant	301116		none	Some incorrect,
2+ sho	ort, apt and clear, well	prioritized, 2	good m	ostly adequate eason	able 2 informative, api	nostly adequate	1 Cason lable	nt parts many	relevant,	inconclusive or too long
time	managed efficiently	3 =-	. detailed,	fully goo	condensed &	Tully		urate, fully 1 - dusive adequate	constructivo	deeply incorrect or show
			complex	auequate	accurate	adequate				deep misconceptions
NOTES:	NOTES: to many Of irrelevant questions (have you done lasked that, have you used la ferre-march 2019 pushed dynamics as well as opp with no reason									
Di		4-1-1 1-4 1 AI	[4.40]	()	- IUN IV	1 6 66) 6				



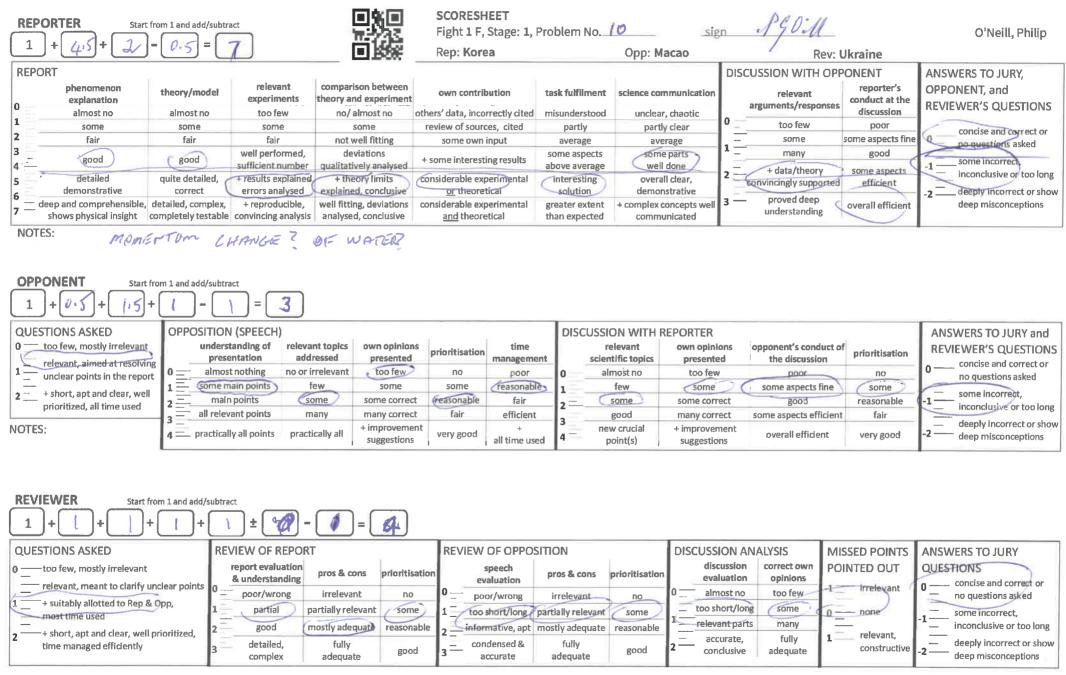




REPOR	Start Start - 3.5 + 2.3	from 1 and add/subtra	act	回菜回 (2000年) (2000年)	SCORESHEET Fight 1 F, Stage: 1, Rep: Korea	Problem No	Opp: Macao	sign A.C.	Pennen Z	Jennings, Gavin
REPORT 1 = 2	phenomenon explanation almost no some fair	theory/model almost no some fair	relevant experiments too few some fair	comparison between theory and experiment no/almost no some not well fitting	own contribution others' data, incorrectly cited review of sources, cited some own input	task fulfilment misunderstood partly average	science communicati unclear, chaotic partly clear average	on relevant arguments/resp too few some	reporter's	ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS
	good detailed demonstrative o and comprehensible, nows physical Insight	good quite detailed, correct detailed, complex, completely testable	well performed, sufficient number + results explained errors analysed + reproducible,	deviations qualitatively analysed + theory limits explained, conclusive well fitting, deviations analysed, conclusive	+ some interesting results considerable experimental	some aspects above average interesting solution greater extent than expected	some parts well done overall clear, demonstrative + complex concepts w communicated	1 many 2 + data/theor	good y some aspects orted efficient	no questions asked
0 too	Start O·S + [·2] ONS ASKED of ew, mostly irrelevant evant, aimed at resolvin clear points in the repor nort, apt and clear, well pritized, all time used	OPPOSITION underst prese almost 1 some m all relev: 4 practical!	(SPEECH) anding of nation address nothing no or in ain points for points so ant points practice.	Ha wans It topics essed presented relevant too few some some correct any many correct suggestions	prioritisation time manageme no poor some reasonable fair efficient nt	ont scient scien	DN WITH REPORTE elevant own op tific topics prese most no too few some some some of good many of v crucial + impro pint(s) sugges	pinions opponent's conductive the discussion few poor some aspects orrect good orrect some aspects of vernent overall efficients.	no no fine some reasonable ficient fair	ANSWERS TO JURY and REVIEWER'S QUESTIONS O concise and correct or no questions asked some incorrect, inconclusive or too long deeply incorrect or show deep misconceptions
1 + QUESTIC 0 — too — rele 1 — + su — mos		REV	/IEW OF REPORT report evaluation & understanding poor/wrong partial pa	0=8	evaluation o poor/wrong too short/long pable informative, apt recordersed &	pros & cons irrelevant	no some reasonable	SSION ANALYSIS discussion correct own opinions almost no too few some evant parts many accurate, conclusive adequate	MISSED POINTS POINTED OUT -1 irrelevant 0 none relevant, constructive	ANSWERS TO JURY QUESTIONS O — concise and correct or no questions asked -1 — some incorrect, inconclusive or too long deeply incorrect or show deep misconceptions
NOTES:	NOTES: Well Structured after a slow stort. Very neverns.									



NOTES: 9006 Understanding of physics but poor analysis, especially for opp



NOTES:

IYPT - March 2019

